

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 1 ALTERNATYVA

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)				WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	Status	LwA_ref [dB(A)]	Pure tones
	East	North	Z	Row data/Description	Valid	Manufact.					Creator	Name				
T01a	399.384	6.212.733	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T01b	399.633	6.213.215	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T02	400.355	6.212.415	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T03	400.625	6.213.038	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T04	401.360	6.213.286	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T05	402.299	6.213.212	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06a	403.896	6.212.161	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06b	404.657	6.211.913	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06c	405.439	6.212.089	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T07	404.508	6.212.729	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T08	405.714	6.211.367	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T09	406.370	6.211.916	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T10	400.437	6.211.661	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T11	400.923	6.211.096	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T12	401.726	6.211.214	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T13	400.221	6.210.133	120,0	GE WIND ENERGY 5.5-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T14	400.844	6.209.977	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T15	401.378	6.209.621	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T16	401.045	6.209.035	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T17	401.767	6.208.477	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T18	403.913	6.207.263	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T19	402.771	6.205.892	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T20	402.755	6.205.084	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T21	405.182	6.205.602	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T22	402.010	6.204.814	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T23	403.049	6.204.340	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T24	403.660	6.204.067	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25a	405.015	6.204.093	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25b	404.578	6.203.244	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T26	403.792	6.203.277	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g

g) Data calculated from data for other wind speed (uncertain)

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)				Demands Noise	Sound Level From WTGs	Demands fulfilled ? Noise
		East	North	Z	Imission height			
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	38,1	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	35,9	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	41,9	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	40,6	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,5	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	40,8	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	38,8	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	38,1	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	39,8	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.559	6.209.788	120,0	1,5	45,0	43,9	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	34,5	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	33,0	Yes

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## 1 ALTERNATYVA

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukštis 161 m, rotoriaus skersmuo 158 m

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Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)				Demands	Sound Level	Demands fulfilled ?
No.	Name	East	North	Z	Immission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.085	6.205.627	120,0	1,5	45,0	38,3	Yes
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.832	6.205.535	120,0	1,5	45,0	43,4	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.558	120,0	1,5	45,0	40,9	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	38,8	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.109	6.206.008	120,0	1,5	45,0	41,8	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,4	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,0	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.780	6.204.552	120,0	1,5	45,0	39,3	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.524	6.205.699	120,0	1,5	45,0	37,1	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,4	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01a	7250	7581	7979	8094	8264	9379	9539	742	765	358	1050	2341	2312	3315	4298	3977	3123	4344	5479	8296	7180	8160
T01b	7539	7954	8317	8417	8536	9638	9761	662	1082	898	1426	2031	2082	3089	4058	3815	3509	4533	5704	8610	7389	8461
T02	6496	6986	7310	7395	7479	8577	8688	1662	1776	1183	735	1562	1403	2379	3360	2985	2607	3458	4635	7581	6315	7424
T03	6952	7535	7819	7877	7901	8983	9049	1669	2012	1569	1408	1064	1076	2083	3057	2811	3230	3828	5031	8060	6672	7889
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5867	7278	7029	6825	6106	7007	6670	6575	6853	6275	5500	3865	3732	2772	1853	1996	5394	3742	4222	6934	4818	6656
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5317	6789	6479	6247	5449	6320	5951	7014	7236	6628	5784	4387	4195	3287	2471	2456	5390	3570	3809	6340	4207	6060
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5063	5573	5878	5959	6055	7159	7297	2978	2846	2179	1180	2294	1901	2481	3297	2699	1357	2101	3236	6146	4935	5990
T12	4858	5583	5781	5805	5778	6857	6920	3479	3475	2816	1867	2041	1613	1886	2583	1944	1842	1699	2908	5983	4543	5798
T13	4656	4855	5286	5422	5688	6827	7083	3454	3078	2482	1631	3450	3076	3661	4432	3796	418	2308	3147	5640	4820	5528
T14	4148	4504	4865	4976	5172	6303	6521	3858	3565	2931	1983	3390	2980	3402	4075	3409	342	1667	2534	5179	4225	5047
T15	3555	4039	4336	4425	4570	5692	5892	4437	4181	3537	2563	3652	3228	3469	4004	3320	836	1111	1892	4616	3585	4470
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T19	357	735	360	493	1177	2193	2755	8370	8025	7421	6498	7431	7003	6918	7028	6400	4445	3757	2480	749	2036	777
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1485	1601	1187	1183	1502	1666	2639	9890	9513	8926	8026	9007	8579	8475	8541	7929	5952	5326	4008	1107	3196	1422
T24	1746	2215	1651	1526	1461	1149	2232	10399	10048	9448	8527	9382	8957	8789	8786	8198	6471	5689	4315	1339	3292	1617
T25a	2181	3306	2572	2266	1578	515	1327	11053	10771	10142	9178	9723	9311	9003	8852	8326	7201	6083	4660	2051	3309	2162
T25b	2793	3447	2842	2654	2297	1304	2281	11556	11227	10617	9680	10400	9980	9737	9645	9094	7645	6719	5309	2433	4079	2648
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

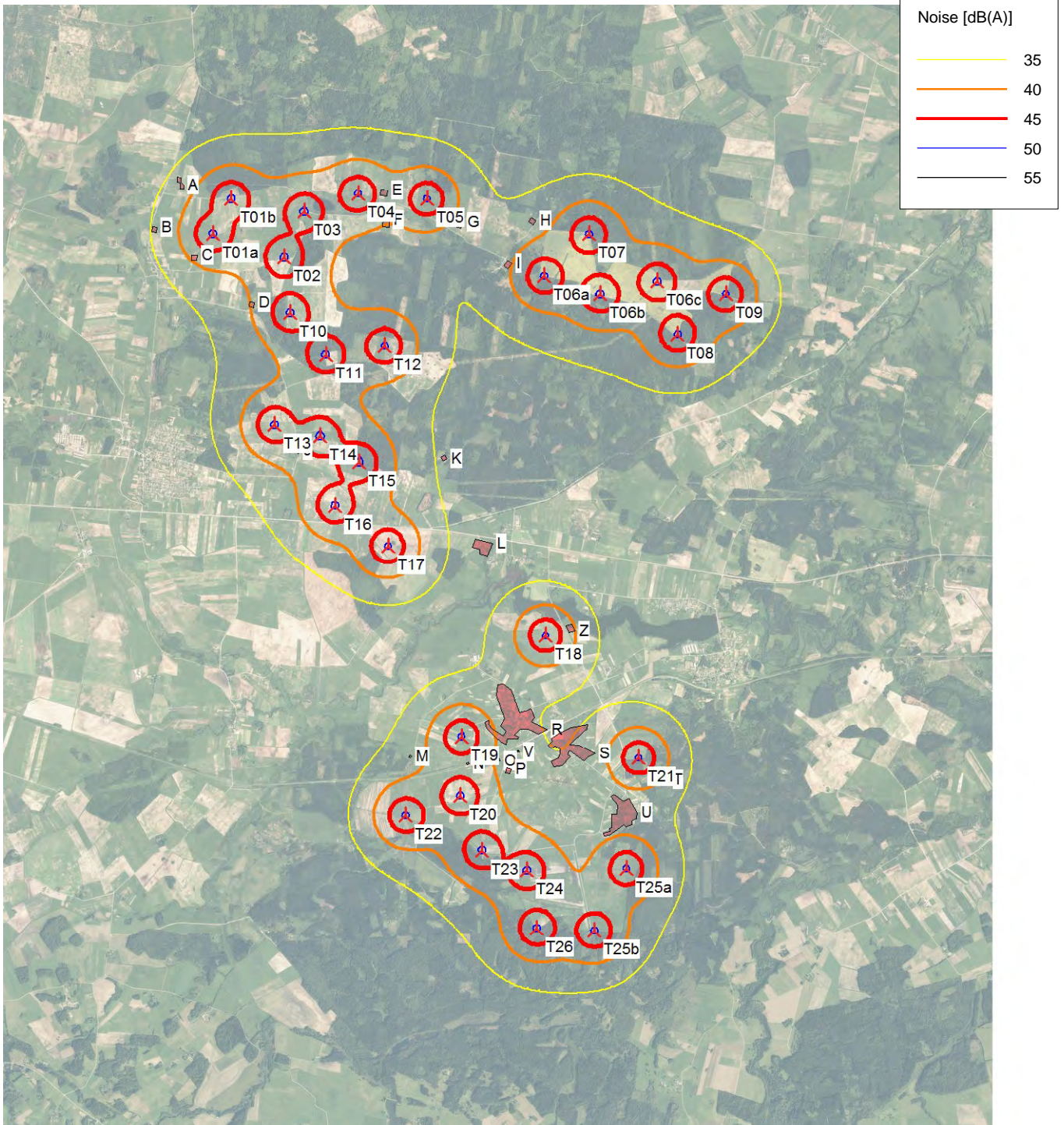
Project:

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1 ALTERNATYVA

DECIBEL - Map 10,0 m/s

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m



Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

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## 2 ALTERNATYVA

## DECIBEL - Main Result

**Calculation:** VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m**Noise calculation model:**

ISO 9613-2 General

**Wind speed:**

10,0 m/s

**Ground attenuation:**

General, Ground factor: 0,7

**Meteorological coefficient, C0:**

0,0 dB

**Type of demand in calculation:**

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

**Noise values in calculation:**

All noise values are mean values (Lwa) (Normal)

**Pure tones:**

Pure and Impulse tone penalty are added to WTG source noise

**Height above ground level, when no value in NSA object:**

1,5 m Don't allow override of model height with height from NSA object

**Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:**

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)				WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	Status	LwA_ref [dB(A)]	Pure tones
	East	North	Z	Row data/Description	Valid	Manufact.					Creator	Name				
T01	399.666	6.213.077	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T02	400.040	6.212.369	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T03	400.620	6.212.800	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T04	401.360	6.213.286	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
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T06a	403.896	6.212.161	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06b	404.657	6.211.913	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06c	405.436	6.212.093	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T07	404.508	6.212.729	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T08	405.716	6.211.373	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T09	406.370	6.211.916	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T10	400.437	6.211.661	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T11	400.926	6.211.096	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T12	401.723	6.211.214	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T13	400.318	6.210.131	120,0	GE WIND ENERGY 5.5-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T14	401.130	6.209.941	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T16	401.045	6.209.035	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T17	401.767	6.208.477	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T18	403.913	6.207.263	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T20	402.755	6.205.084	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T21	405.182	6.205.602	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T22	402.010	6.204.814	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T23	403.044	6.204.349	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T24	403.999	6.204.104	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25a	404.764	6.204.072	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25b	404.576	6.203.249	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T26	403.792	6.203.277	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g

g) Data calculated from data for other wind speed (uncertain)

## Calculation Results

## Sound Level

Noise sensitive area	No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Demands Noise	Sound Level From WTGs	Demands fulfilled ?	
			East	North	Z				Imission height
A Noise sensitive area: Demands defined in calculation setup. (51)			398.987	6.213.360	120,0	1,5	45,0	35,4	Yes
B Noise sensitive area: Demands defined in calculation setup. (52)			398.624	6.212.824	120,0	1,5	45,0	32,7	Yes
C Noise sensitive area: Demands defined in calculation setup. (53)			399.172	6.212.444	120,0	1,5	45,0	36,8	Yes
D Noise sensitive area: Demands defined in calculation setup. (54)			399.946	6.211.804	120,0	1,5	45,0	41,1	Yes
E Noise sensitive area: Demands defined in calculation setup. (55)			401.664	6.213.267	120,0	1,5	45,0	43,4	Yes
F Noise sensitive area: Demands defined in calculation setup. (56)			401.696	6.212.936	120,0	1,5	45,0	40,7	Yes
G Noise sensitive area: Demands defined in calculation setup. (57)			402.723	6.212.913	120,0	1,5	45,0	38,8	Yes
H Noise sensitive area: Demands defined in calculation setup. (58)			403.741	6.212.854	120,0	1,5	45,0	38,0	Yes
I Noise sensitive area: Demands defined in calculation setup. (59)			403.458	6.212.340	120,0	1,5	45,0	39,8	Yes
J Noise sensitive area: Demands defined in calculation setup. (60)			400.488	6.209.810	120,0	1,5	45,0	42,5	Yes
K Noise sensitive area: Demands defined in calculation setup. (61)			402.487	6.209.692	120,0	1,5	45,0	33,4	Yes
L Noise sensitive area: Demands defined in calculation setup. (62)			402.912	6.208.470	120,0	1,5	45,0	32,5	Yes
M Noise sensitive area: Demands defined in calculation setup. (19)			402.062	6.205.601	120,0	1,5	45,0	36,5	Yes
N Noise sensitive area: Demands defined in calculation setup. (20)			402.847	6.205.510	120,0	1,5	45,0	40,2	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 2 ALTERNATYVA

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)			Demands	Sound Level	Demands fulfilled ?	
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	38,2	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,3	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,9	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,3	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,0	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,3	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,9	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

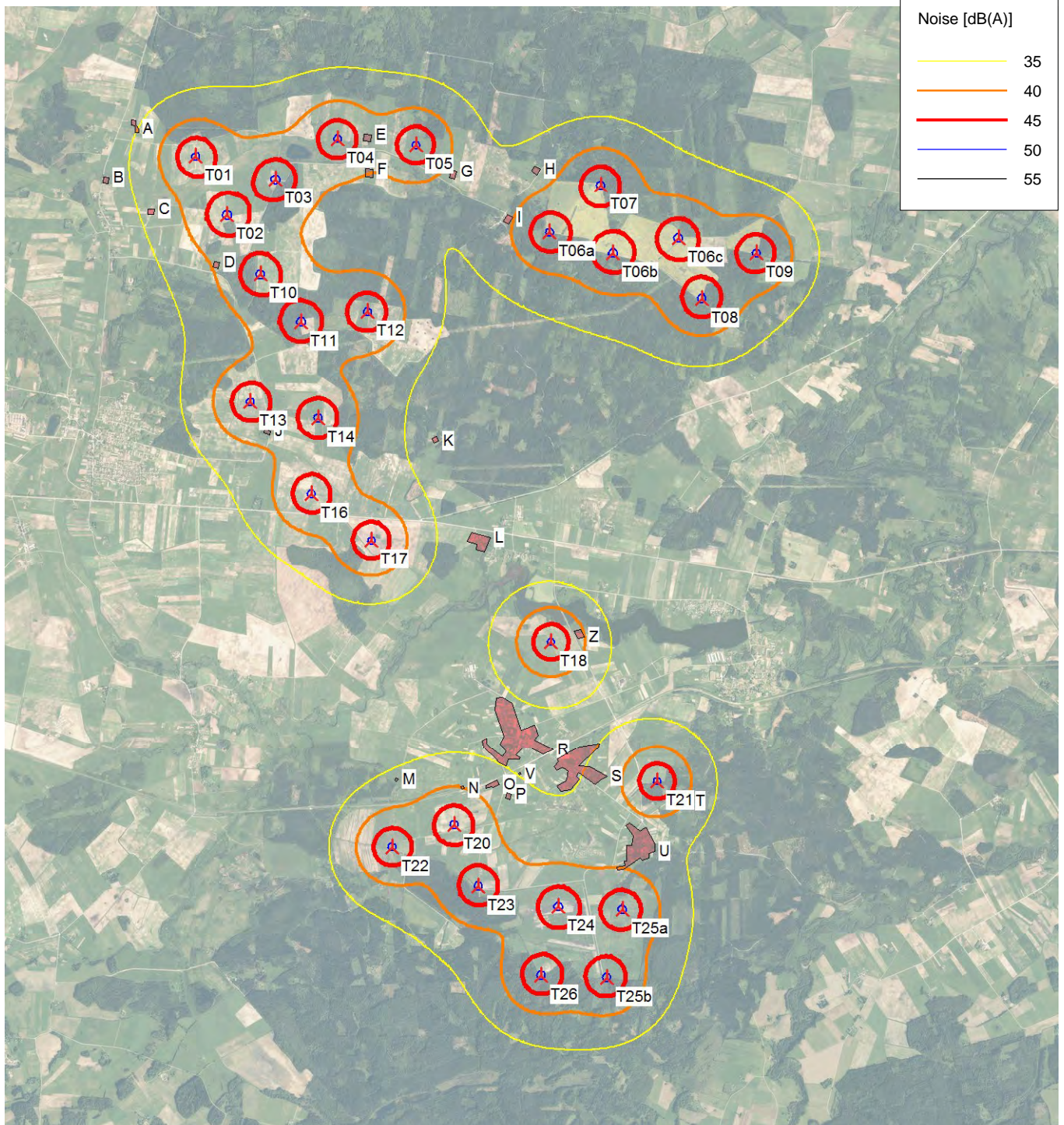
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

2 ALTERNATYVA

DECIBEL - Map 10,0 m/s

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m



0 1 2 3 4 km

Map: Telsiai23 , Print scale 1:70.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

## 3 ALTERNATYVA

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)				WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	Status	LwA_ref [dB(A)]	Pure tones
	East	North	Z	Row data/Description	Valid	Manufact.					Creator	Name				
				[m]												
T01	399.666	6.213.077	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T02	400.040	6.212.369	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T03	400.620	6.212.800	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T04	401.360	6.213.286	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T05	402.299	6.213.212	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06a	404.362	6.212.316	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06b	405.436	6.212.093	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T08	405.716	6.211.373	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T09	406.370	6.211.916	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T10	400.437	6.211.661	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T11	400.926	6.211.096	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T12	401.723	6.211.214	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T13	400.318	6.210.131	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T14	401.130	6.209.941	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T16	401.045	6.209.035	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T17	401.767	6.208.477	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T18	403.913	6.207.263	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T20	402.755	6.205.084	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T21	405.182	6.205.602	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T22	402.010	6.204.814	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T23	403.044	6.204.349	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T24	403.999	6.204.104	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25a	404.764	6.204.072	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25b	404.576	6.203.249	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T26	403.792	6.203.277	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g

g) Data calculated from data for other wind speed (uncertain)

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Imission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z				
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	35,4	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	32,7	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	36,8	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	41,1	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,4	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	40,7	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	38,4	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	34,7	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	34,3	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.488	6.209.810	120,0	1,5	45,0	42,5	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	33,2	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	32,4	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	36,4	Yes
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	40,2	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	38,2	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,3	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 3 ALTERNATYVA

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)				Demands	Sound Level	Demands fulfilled ?
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,9	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,3	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,0	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,3	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,9	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5795	7060	6932	6787	6260	7225	6991	5474	5759	5190	4445	2772	2632	1675	822	904	4566	3169	3975	6919	4902	6658
T06b	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416



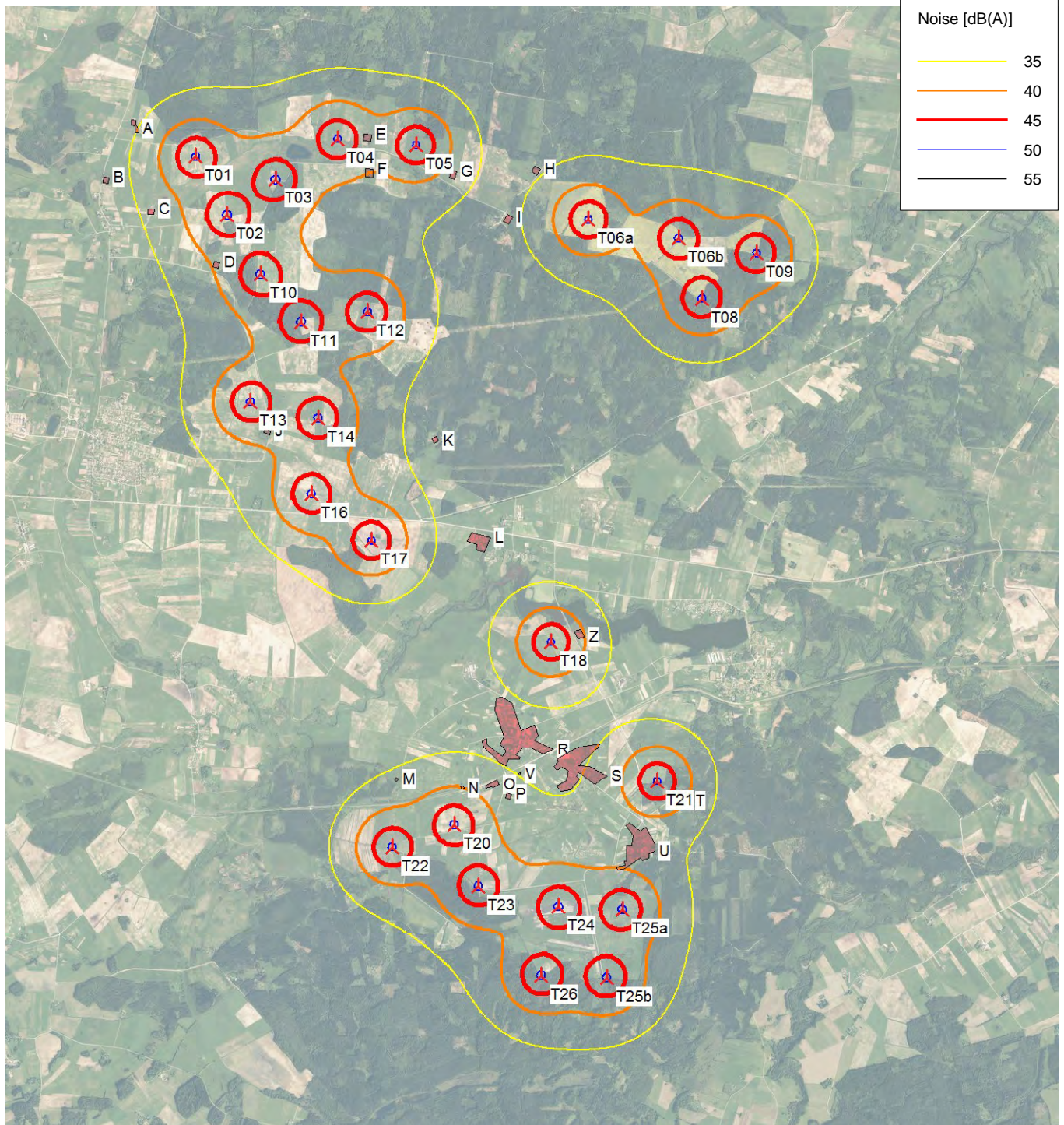
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

3 ALTERNATYVA

DECIBEL - Map 10,0 m/s

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m



Map: Telsiai23 , Print scale 1:70.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSĪU R. SAV.

## 2 ALTERNATYVA, T11 ir T21 triukšmo režimu 105,5 dB(A)

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukstis 161 m, rotoriaus skersmuo 158 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)				WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	Status	LwA,ref [dB(A)]	Pure tones
	East	North	Z	Row data/Description	Valid	Manufact.					Creator	Name				
T01	399.666	6.213.077	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T02	400.040	6.212.369	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T03	400.620	6.212.800	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T04	401.360	6.213.286	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T05	402.299	6.213.212	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06a	403.896	6.212.161	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06b	404.657	6.211.913	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T06c	405.436	6.212.093	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T07	404.508	6.212.729	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T08	405.716	6.211.373	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T09	406.370	6.211.916	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T10	400.437	6.211.661	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T11	400.926	6.211.096	120,0	NORDEX N163/5.X 5700 163...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 4 STE	10,0	Interpolated	105,5	0 dB h
T12	401.723	6.211.214	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T13	400.318	6.210.131	120,0	GE WIND ENERGY 5.5-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T14	401.130	6.209.941	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T16	401.045	6.209.035	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T17	401.767	6.208.477	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T18	403.913	6.207.263	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T20	402.755	6.205.084	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T21	405.182	6.205.602	120,0	NORDEX N163/5.X 5700 163...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 4 STE	10,0	Interpolated	105,5	0 dB h
T22	402.010	6.204.814	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T23	403.044	6.204.349	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T24	403.999	6.204.104	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25a	404.764	6.204.072	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T25b	404.576	6.203.249	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g
T26	403.792	6.203.277	120,0	GE WIND ENERGY 5.X-158 T...	Yes	GE WIND ENERGY	5.X-158 Thrust 700-5.700	5.700	158,0	161,0	USER	5.7-158 NO	10,0	Interpolated	106,0	0 dB g

h) Generic octave distribution used

g) Data calculated from data for other wind speed (uncertain)

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)				Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z	Imission height [m]			
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	35,4	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	32,7	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	36,8	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	41,1	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,4	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	40,7	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	38,8	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	38,0	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	39,8	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	404.488	6.209.810	120,0	1,5	45,0	42,5	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	33,4	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	32,5	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	36,5	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 2 ALTERNATYVA, T11 ir T21 triukšmo režimu 105,5 dB(A)

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukštis 161 m, rotoriaus skersmuo 158 m

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Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Emission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z				
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	40,2	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	38,2	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,3	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,9	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	36,9	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	40,4	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,3	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,9	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

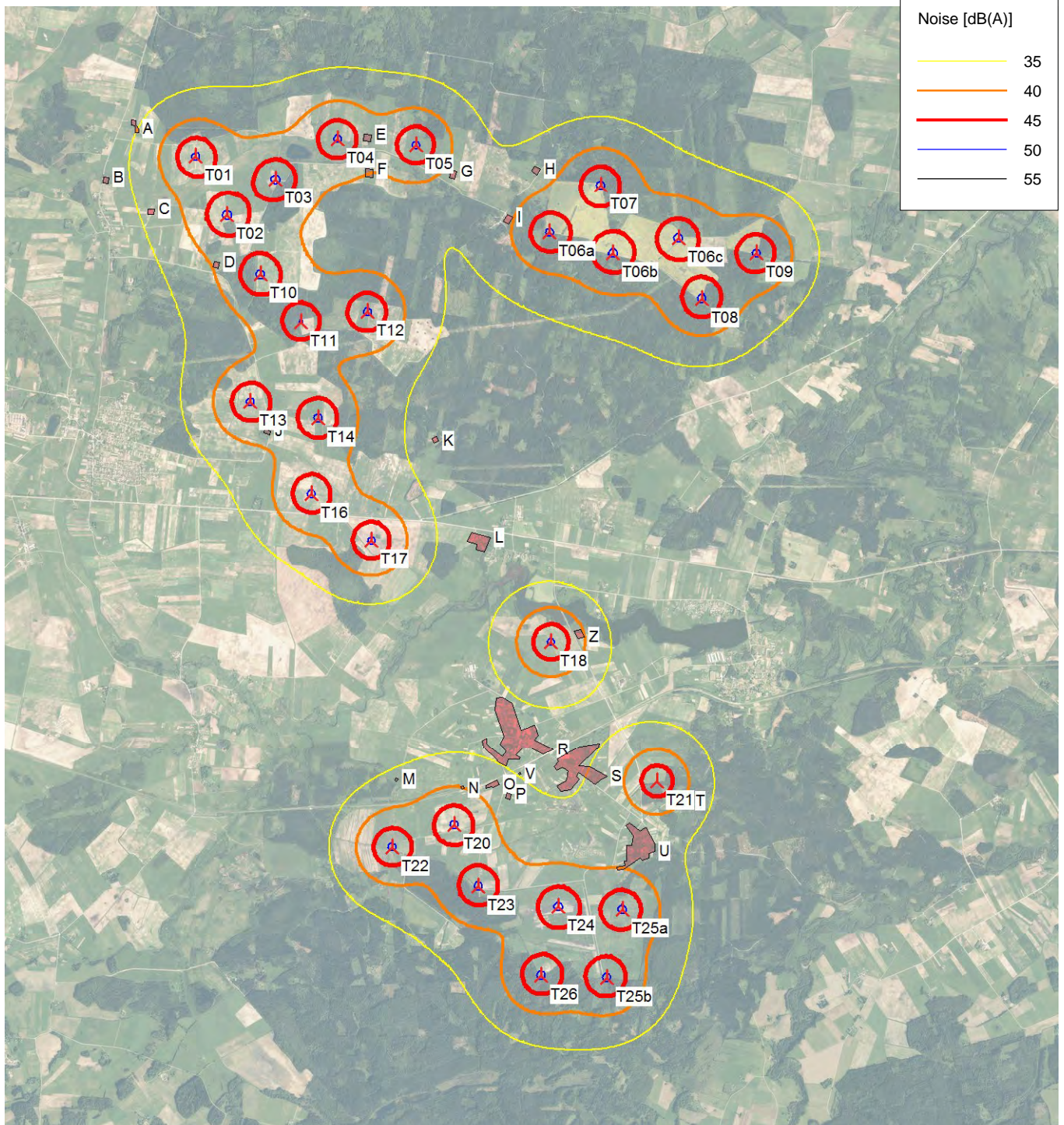
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

2 ALTERNATYVA, T11 ir T21 triukšmo režimu 105,5 dB(A)

**DECIBEL - Map 10,0 m/s**

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukštis 161 m, rotoriaus skersmuo 158 m



0 1 2 3 4 km

Map: Telsiai23 , Print scale 1:70.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object



Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 3 ALTERNATYVA, T11 ir T21 triukšmo režimu 105,5 dB(A)

## DECIBEL - Main Result

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukštis 161 m, rotoriaus skersmuo 158 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)			Demands	Sound Level	Demands fulfilled ?	
No.	Name	East	North	Z	Immission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
	P Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,3	Yes
	R Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,9	Yes
	S Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	36,9	Yes
	T Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	40,4	Yes
	U Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,3	Yes
	V Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,9	Yes
	Z Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5795	7060	6932	6787	6260	7225	6991	5474	5759	5190	4445	2772	2632	1675	822	904	4566	3169	3975	6919	4902	6658
T06b	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

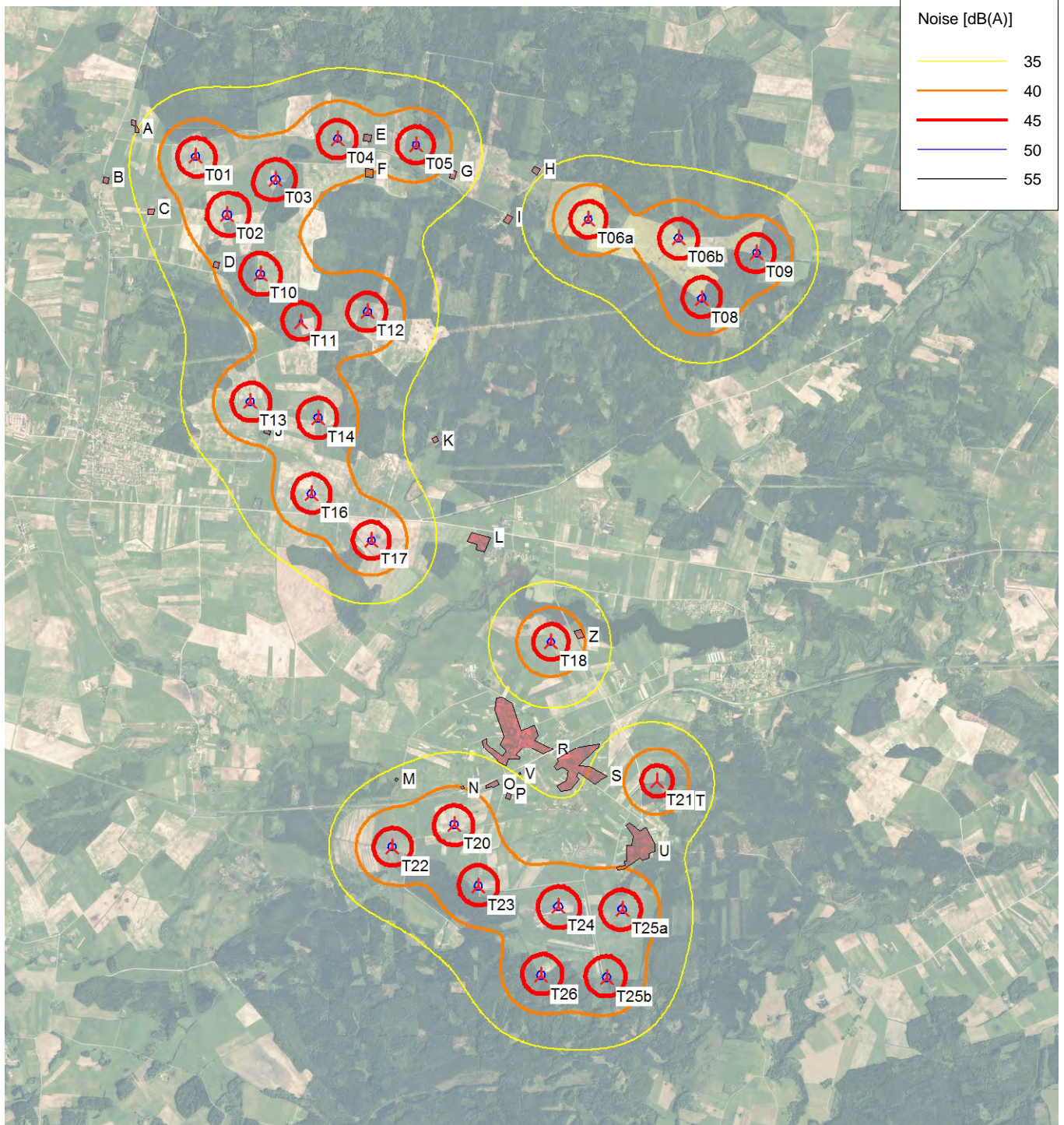
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

3 ALTERNATYVA, T11 ir T21 triukšmo režimu 105,5 dB(A)

**DECIBEL - Map 10,0 m/s**

Calculation: VE modelis GENERAL ELECTRIC GE5.X-158, boksto aukštis 161 m, rotoriaus skersmuo 158 m



0 1 2 3 4 km

Map: Telsiai23 , Print scale 1:70.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

## 1 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukstis 166 m, rotoriaus skersmuo 160 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

Lithuanian TM LKS94-LKS94 (LT)				WTG type			Noise data				Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	
East	North	Z	Row data/Description	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Creator				Name
T01a	399.384	6.212.733	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T01b	399.633	6.213.215	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T02	400.355	6.212.415	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T03	400.625	6.213.038	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T04	401.360	6.213.286	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T05	402.299	6.213.212	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06a	403.896	6.212.161	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06b	404.657	6.211.913	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06c	405.439	6.212.089	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T07	404.508	6.212.729	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T08	405.714	6.211.367	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T09	406.370	6.211.916	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T10	400.437	6.211.661	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T11	400.923	6.211.096	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T12	401.726	6.211.214	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T13	400.221	6.210.133	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T14	400.844	6.209.977	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T15	401.378	6.209.621	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T16	401.045	6.209.035	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T17	401.767	6.208.477	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T18	403.913	6.207.263	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T19	402.771	6.205.892	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T20	402.755	6.205.084	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T21	405.182	6.205.602	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T22	402.010	6.204.814	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T23	403.049	6.204.340	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T24	403.660	6.204.067	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25a	405.015	6.204.093	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25b	404.578	6.203.244	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T26	403.792	6.203.277	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Demands Noise	Sound Level From WTGs	Demands fulfilled ? Noise	
		East	North	Z				
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	38,2	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	35,8	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	42,3	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	40,7	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,9	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	41,0	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	39,0	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	38,1	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	40,0	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.559	6.209.788	120,0	1,5	45,0	44,3	Yes

To be continued on next page...



Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

**1 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai****DECIBEL - Main Result****Calculation:** VE modelis ENERCON E-160 EP5 E2, boksto aukstis 166 m, rotoriaus skersmuo 160 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)			Demands	Sound Level	Demands fulfilled ?	
No.	Name	East	North	Z	Immission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
	K Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	34,2	Yes
	L Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	32,7	Yes
	M Noise sensitive area: Demands defined in calculation setup. (19)	402.085	6.205.627	120,0	1,5	45,0	38,3	Yes
	N Noise sensitive area: Demands defined in calculation setup. (20)	402.832	6.205.535	120,0	1,5	45,0	43,7	Yes
	O Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.558	120,0	1,5	45,0	41,1	Yes
	P Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	38,7	Yes
	R Noise sensitive area: Demands defined in calculation setup. (18)	403.109	6.206.008	120,0	1,5	45,0	42,1	Yes
	S Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,5	Yes
	T Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,4	Yes
	U Noise sensitive area: Demands defined in calculation setup. (23)	404.780	6.204.552	120,0	1,5	45,0	39,4	Yes
	V Noise sensitive area: Demands defined in calculation setup. (65)	403.524	6.205.699	120,0	1,5	45,0	37,0	Yes
	Z Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,9	Yes

**Distances (m)**

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01a	7250	7581	7979	8094	8264	9379	9539	742	765	358	1050	2341	2312	3315	4298	3977	3123	4344	5479	8296	7180	8160
T01b	7539	7954	8317	8417	8536	9638	9761	662	1082	898	1426	2031	2082	3089	4058	3815	3509	4533	5704	8610	7389	8461
T02	6496	6986	7310	7395	7479	8577	8688	1662	1776	1183	735	1562	1403	2379	3360	2985	2607	3458	4635	7581	6315	7424
T03	6952	7535	7819	7877	7901	8983	9049	1669	2012	1569	1408	1064	1076	2083	3057	2811	3230	3828	5031	8060	6672	7889
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5867	7278	7029	6825	6106	7007	6670	6575	6853	6275	5500	3865	3732	2772	1853	1996	5394	3742	4222	6934	4818	6656
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5317	6789	6479	6247	5449	6320	5951	7014	7236	6628	5784	4387	4195	3287	2471	2456	5390	3570	3809	6340	4207	6060
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5063	5573	5878	5959	6055	7159	7297	2978	2846	2179	1180	2294	1901	2481	3297	2699	1357	2101	3236	6146	4935	5990
T12	4858	5583	5781	5805	5778	6857	6920	3479	3475	2816	1867	2041	1613	1886	2583	1944	1842	1699	2908	5983	4543	5798
T13	4656	4855	5286	5422	5688	6827	7083	3454	3078	2482	1631	3450	3076	3661	4432	3796	418	2308	3147	5640	4820	5528
T14	4148	4504	4865	4976	5172	6303	6521	3858	3565	2931	1983	3390	2980	3402	4075	3409	342	1667	2534	5179	4225	5047
T15	3555	4039	4336	4425	4570	5692	5892	4437	4181	3537	2563	3652	3228	3469	4004	3320	836	1111	1892	4616	3585	4470
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T19	357	735	360	493	1177	2193	2755	8370	8025	7421	6498	7431	7003	6918	7028	6400	4445	3757	2480	749	2036	777
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1485	1601	1187	1183	1502	1666	2639	9890	9513	8926	8026	9007	8579	8475	8541	7929	5952	5326	4008	1107	3196	1422
T24	1746	2215	1651	1526	1461	1149	2232	10399	10048	9448	8527	9382	8957	8789	8786	8198	6471	5689	4315	1339	3292	1617
T25a	2181	3306	2572	2266	1578	515	1327	11053	10771	10142	9178	9723	9311	9003	8852	8326	7201	6083	4660	2051	3309	2162
T25b	2793	3447	2842	2654	2297	1304	2281	11556	11227	10617	9680	10400	9980	9737	9645	9094	7645	6719	5309	2433	4079	2648
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

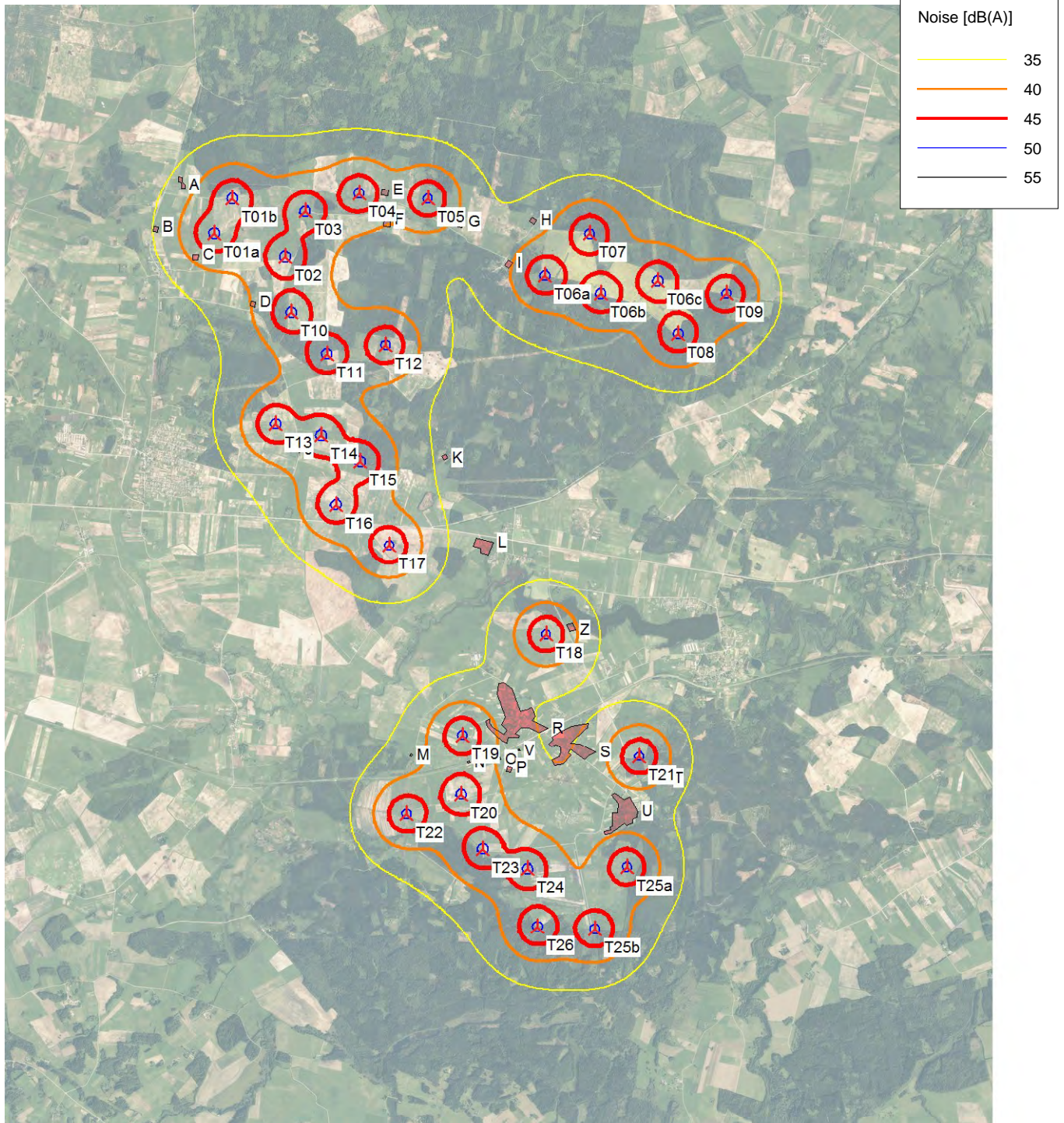
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

1 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m



Noise [dB(A)]	
	35
	40
	45
	50
	55

0 1 2 3 4 km

Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

**2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai****DECIBEL - Main Result****Calculation:** VE modelis ENERCON E-160 EP5 E2, boksto aukstis 166 m, rotoriaus skersmuo 160 m**Noise calculation model:**

ISO 9613-2 General

**Wind speed:**

10,0 m/s

**Ground attenuation:**

General, Ground factor: 0,7

**Meteorological coefficient, C0:**

0,0 dB

**Type of demand in calculation:**

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

**Noise values in calculation:**

All noise values are mean values (Lwa) (Normal)

**Pure tones:**

Pure and Impulse tone penalty are added to WTG source noise

**Height above ground level, when no value in NSA object:**

1,5 m Don't allow override of model height with height from NSA object

**Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:**

0,0 dB(A)

**WTGs**

Lithuanian TM LKS94-LKS94 (LT)				WTG type			Noise data				Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	
East	North	Z	Row data/Description	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Creator				Name
T01	399.666	6.213.077	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T02	400.040	6.212.369	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T03	400.620	6.212.800	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T04	401.360	6.213.286	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T05	402.299	6.213.212	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06a	403.896	6.212.161	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06b	404.657	6.211.913	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06c	405.436	6.212.093	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T07	404.508	6.212.729	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T08	405.716	6.211.373	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T09	406.370	6.211.916	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T10	400.437	6.211.661	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T11	400.926	6.211.096	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T12	401.723	6.211.214	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T13	400.318	6.210.131	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T14	401.130	6.209.941	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T16	401.045	6.209.035	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T17	401.767	6.208.477	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T18	403.913	6.207.263	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T20	402.755	6.205.084	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T21	405.182	6.205.602	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T22	402.010	6.204.814	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T23	403.044	6.204.349	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T24	403.999	6.204.104	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25a	404.764	6.204.072	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25b	404.576	6.203.249	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T26	403.792	6.203.277	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB

**Calculation Results****Sound Level**

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Demands Noise	Sound Level From WTGs	Demands fulfilled ? Noise	
		East	North	Z				
				Imission height [m]	[dB(A)]	[dB(A)]		
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	35,4	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	32,5	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	36,7	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	41,3	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,8	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	40,9	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	38,9	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	38,0	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	39,9	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.488	6.209.810	120,0	1,5	45,0	42,8	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	33,0	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	32,2	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	36,4	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)				Demands	Sound Level	Demands fulfilled ?
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	40,5	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	38,2	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,2	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,7	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,4	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,4	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,5	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,7	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,8	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

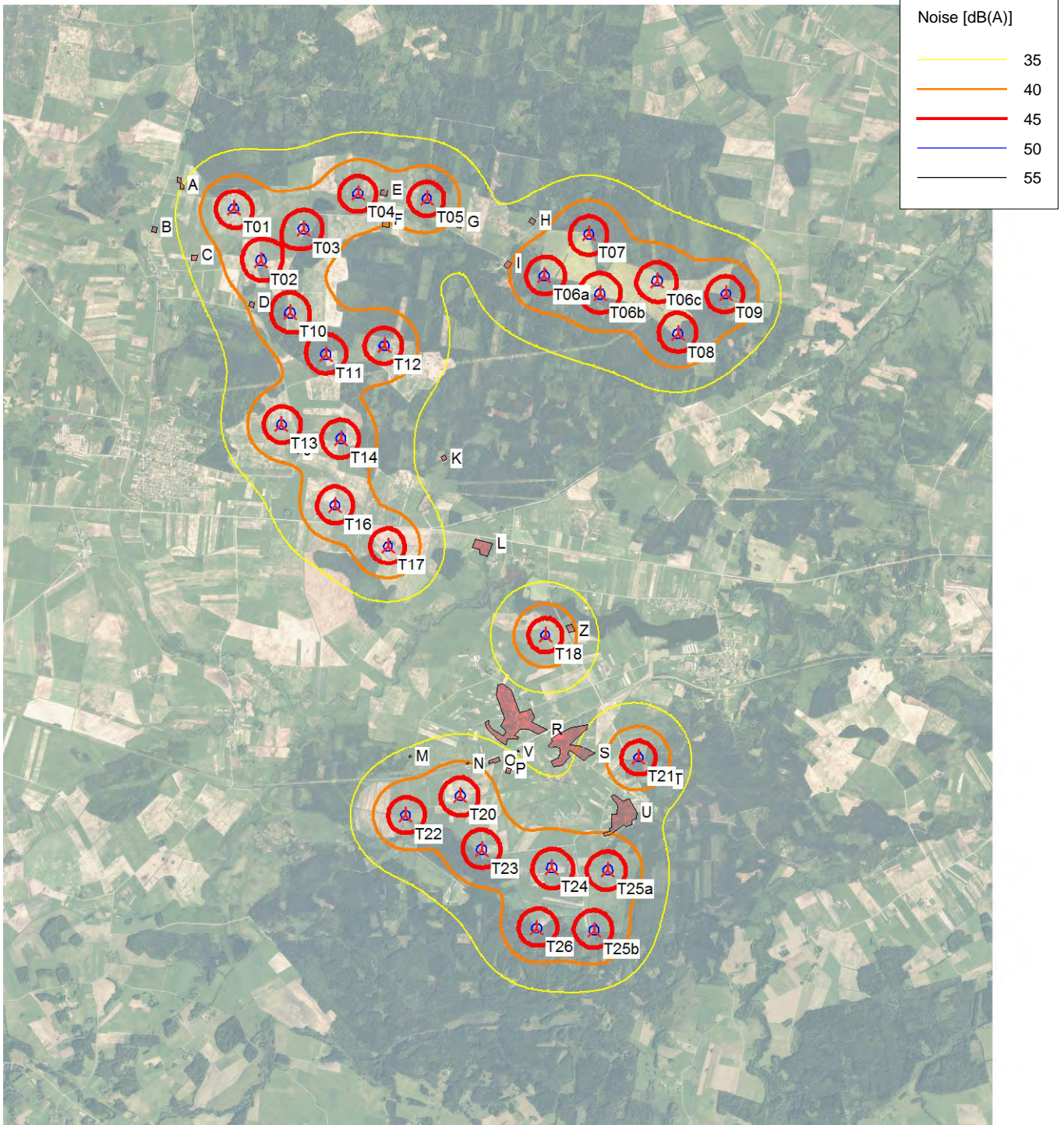
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m



Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

**3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai****DECIBEL - Main Result****Calculation:** VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m**Noise calculation model:**

ISO 9613-2 General

**Wind speed:**

10,0 m/s

**Ground attenuation:**

General, Ground factor: 0,7

**Meteorological coefficient, C0:**

0,0 dB

**Type of demand in calculation:**

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

**Noise values in calculation:**

All noise values are mean values (Lwa) (Normal)

**Pure tones:**

Pure and Impulse tone penalty are added to WTG source noise

**Height above ground level, when no value in NSA object:**

1,5 m Don't allow override of model height with height from NSA object

**Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:**

0,0 dB(A)

**WTGs**

Lithuanian TM LKS94-LKS94 (LT)				WTG type			Noise data				Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	
East	North	Z	Row data/Description	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Creator				Name
T01	399.666	6.213.077	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T02	400.040	6.212.369	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T03	400.620	6.212.800	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T04	401.360	6.213.286	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T05	402.299	6.213.212	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06a	404.362	6.212.316	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T06b	405.436	6.212.093	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T08	405.716	6.211.373	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T09	406.370	6.211.916	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T10	400.437	6.211.661	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T11	400.926	6.211.096	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T12	401.723	6.211.214	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T13	400.318	6.210.131	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T14	401.130	6.209.941	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T16	401.045	6.209.035	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T17	401.767	6.208.477	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T18	403.913	6.207.263	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T20	402.755	6.205.084	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T21	405.182	6.205.602	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T22	402.010	6.204.814	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T23	403.044	6.204.349	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T24	403.999	6.204.104	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25a	404.764	6.204.072	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T25b	404.576	6.203.249	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB
T26	403.792	6.203.277	120,0	ENERCON E-160 EP5 E2 5... Yes	ENERCON	E-160 EP5 E2-5.500	5.500	160,0	166,6	EMD	Mode 00 - OM 0 s (5500 kW)	10,0	106,8	0 dB

**Calculation Results****Sound Level**

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Demands Noise	Sound Level From WTGs	Demands fulfilled ? Noise	
		East	North	Z				
				Imission height				
				[m]	[dB(A)]	[dB(A)]		
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	35,4	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	32,4	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	36,7	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	41,3	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	43,8	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	40,9	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	38,6	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	34,5	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	34,1	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.488	6.209.810	120,0	1,5	45,0	42,8	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	32,9	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	32,1	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	36,4	Yes
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	40,5	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

## 3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m

...continued from previous page

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)				Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z	Imission height [m]			
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	38,2	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	37,2	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	34,7	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	37,4	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	41,4	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	40,5	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	34,7	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	42,8	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5795	7060	6932	6787	6260	7225	6991	5474	5759	5190	4445	2772	2632	1675	822	904	4566	3169	3975	6919	4902	6658
T06b	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

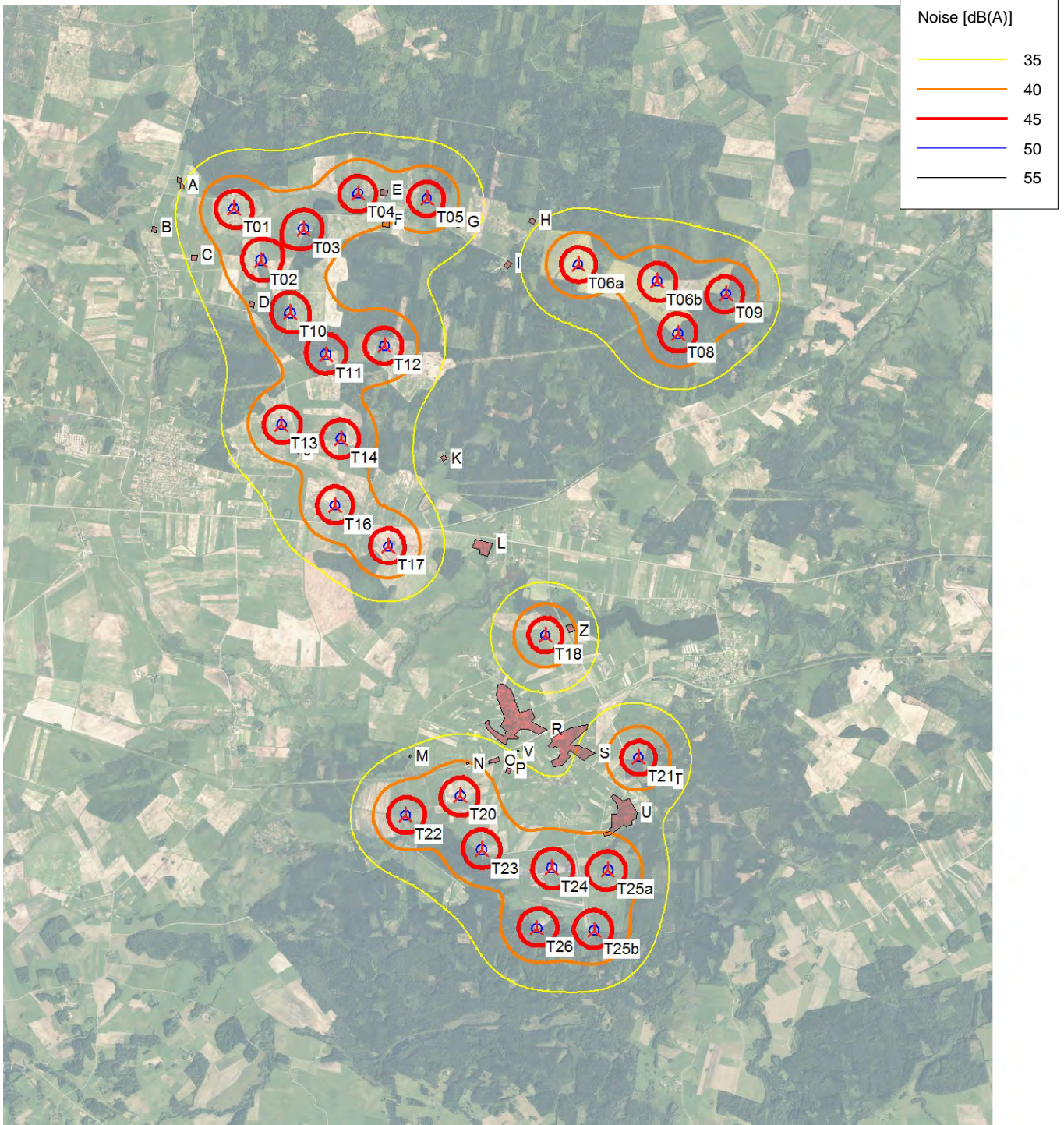
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis ENERCON E-160 EP5 E2, boksto aukštis 166 m, rotoriaus skersmuo 160 m



Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object



Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 1 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis NORDEX N163/5.x, boksto aukštis 164 m, rotoriaus skersmuo 163 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)				WTG type			Noise data				Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones	
	East	North	Z	Row data/Description	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Creator				Name
T01a	399.384	6.212.733	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T01b	399.633	6.213.215	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T02	400.355	6.212.415	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T03	400.625	6.213.038	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T04	401.360	6.213.286	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T05	402.299	6.213.212	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06a	403.896	6.212.161	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06b	404.657	6.211.913	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06c	405.439	6.212.089	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T07	404.508	6.212.729	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T08	405.714	6.211.367	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T09	406.370	6.211.916	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T10	400.437	6.211.661	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T11	400.923	6.211.096	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T12	401.726	6.211.214	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T13	400.221	6.210.133	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T14	400.844	6.209.977	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T15	401.378	6.209.621	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T16	401.045	6.209.035	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T17	401.767	6.208.477	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T18	403.913	6.207.263	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T19	402.771	6.205.892	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T20	402.755	6.205.084	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T21	405.182	6.205.602	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T22	402.010	6.204.814	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T23	403.049	6.204.340	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T24	403.660	6.204.067	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25a	405.015	6.204.093	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25b	404.578	6.203.244	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T26	403.792	6.203.277	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h

h) Generic octave distribution used

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Imission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z				
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	39,3	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	37,2	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	43,0	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	41,8	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	44,6	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	42,0	Yes

To be continued on next page...



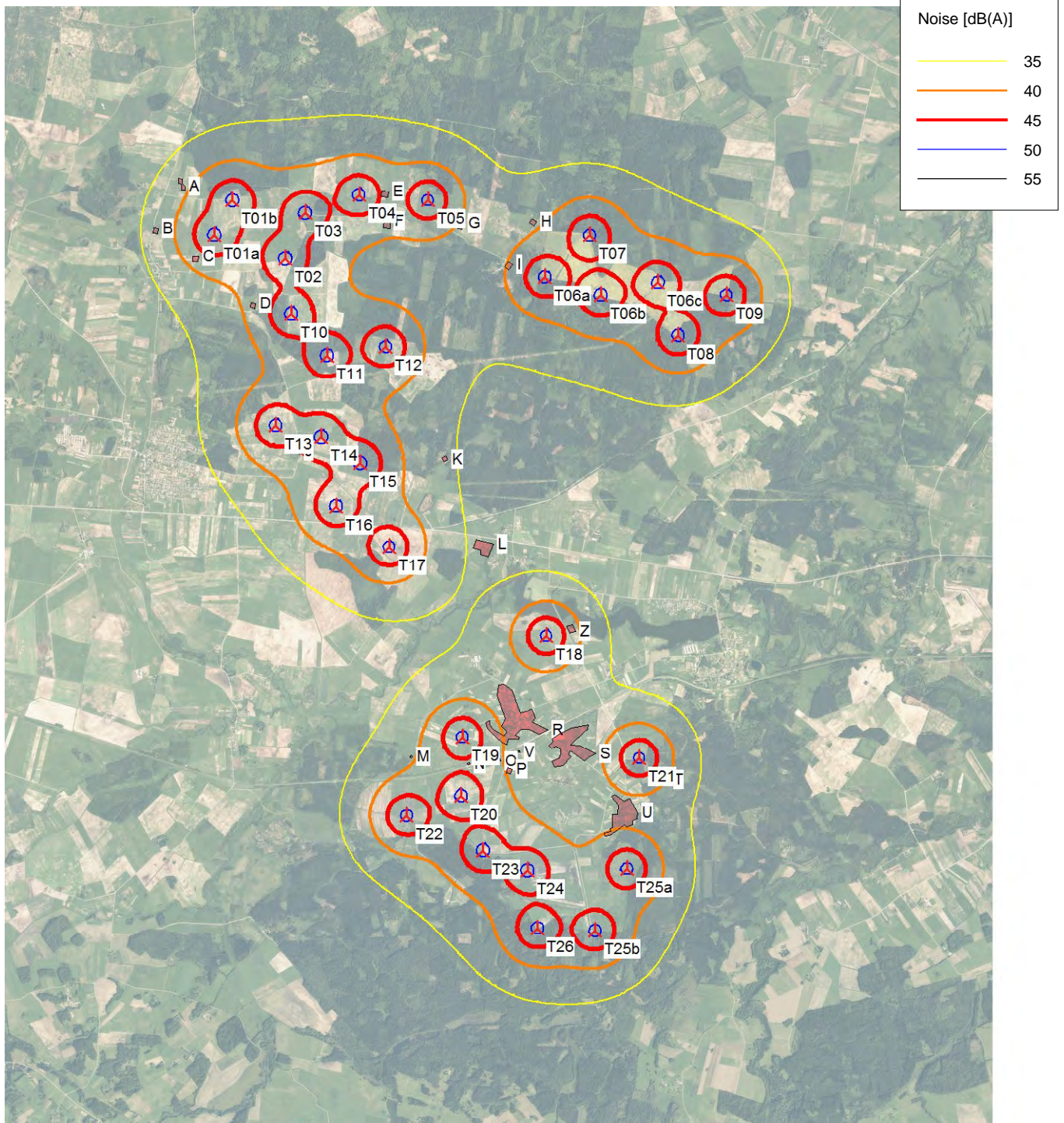
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

1 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis NORDEX N163/5.x, boksto aukstis 164 m, rotoriaus skersmuo 163 m



Noise [dB(A)]	
<span style="color: yellow;">—</span>	35
<span style="color: orange;">—</span>	40
<span style="color: red;">—</span>	45
<span style="color: blue;">—</span>	50
<span style="color: black;">—</span>	55



Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

**2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai****DECIBEL - Main Result****Calculation:** VE modelis NORDEX N163/5.x, boksto aukštis 164 m, rotoriaus skersmuo 163 m**Noise calculation model:**

ISO 9613-2 General

**Wind speed:**

10,0 m/s

**Ground attenuation:**

General, Ground factor: 0,7

**Meteorological coefficient, C0:**

0,0 dB

**Type of demand in calculation:**

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

**Noise values in calculation:**

All noise values are mean values (Lwa) (Normal)

**Pure tones:**

Pure and Impulse tone penalty are added to WTG source noise

**Height above ground level, when no value in NSA object:**

1,5 m Don't allow override of model height with height from NSA object

**Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:**

0,0 dB(A)

**WTGs**

	Lithuanian TM LKS94-LKS94 (LT)			Row data/Description	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones
	East	North	Z		Valid	Manufact.	Type-generator				Creator	Name			
T01	399.666	6.213.077	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T02	400.040	6.212.369	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T03	400.620	6.212.800	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T04	401.360	6.213.286	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T05	402.299	6.213.212	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06a	403.896	6.212.161	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06b	404.657	6.211.913	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06c	405.436	6.212.093	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T07	404.508	6.212.729	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T08	405.716	6.211.373	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T09	406.370	6.211.916	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T10	400.437	6.211.661	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T11	400.926	6.211.096	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T12	401.723	6.211.214	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T13	400.318	6.210.131	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T14	401.130	6.209.941	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T16	401.045	6.209.035	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T17	401.767	6.208.477	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T18	403.913	6.207.263	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T20	402.755	6.205.084	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T21	405.182	6.205.602	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T22	402.010	6.204.814	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T23	403.044	6.204.349	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T24	403.999	6.204.104	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25a	404.764	6.204.072	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25b	404.576	6.203.249	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T26	403.792	6.203.277	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h

h) Generic octave distribution used

**Calculation Results****Sound Level**

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Imission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z				
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	36,7	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	34,2	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	38,1	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	42,3	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	44,5	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	41,9	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	40,0	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	39,3	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	40,9	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis NORDEX N163/5.x, boksto aukštis 164 m, rotoriaus skersmuo 163 m

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Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)			Demands	Sound Level	Demands fulfilled ?	
No.	Name	East	North	Z	Immission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.488	6.209.810	120,0	1,5	45,0	43,6	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	34,9	Yes
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	34,1	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	37,7	Yes
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	41,4	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	39,4	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	38,6	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	36,3	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	38,6	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	42,1	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	41,5	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	36,4	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	43,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5576	6773	6693	6573	6132	7117	6932	5052	5312	4731	3966	2405	2218	1308	710	473	4094	2790	3702	6715	4761	6462
T06b	5463	6787	6613	6446	5858	6808	6549	5850	6100	5509	4712	3198	3018	2098	1313	1272	4615	3046	3700	6571	4515	6303
T06c	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T07	6227	7498	7367	7218	6672	7629	7377	5556	5884	5342	4654	2804	2729	1728	750	1119	4923	3593	4413	7349	5319	7086
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416

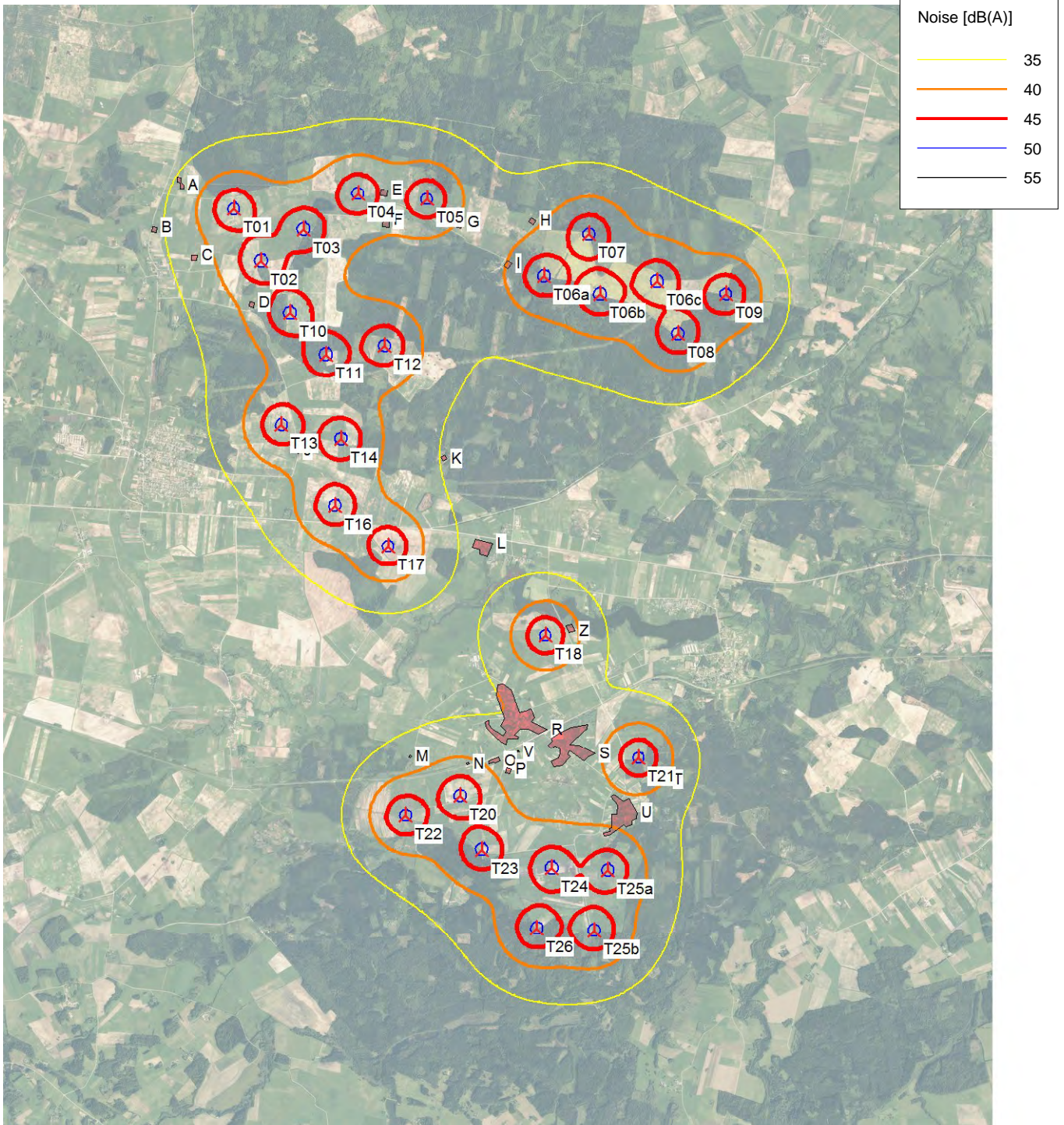
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

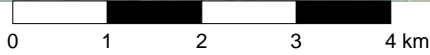
2 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis NORDEX N163/5.x, boksto aukstis 164 m, rotoriaus skersmuo 163 m



Noise [dB(A)]	
Yellow line	35
Orange line	40
Red line	45
Blue line	50
Black line	55



Map: Telsiai23, Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

## 3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis NORDEX N163/5.x, boksto aukstis 164 m, rotoriaus skersmuo 163 m

## Noise calculation model:

ISO 9613-2 General

## Wind speed:

10,0 m/s

## Ground attenuation:

General, Ground factor: 0,7

## Meteorological coefficient, C0:

0,0 dB

## Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

## Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

## Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

## Height above ground level, when no value in NSA object:

1,5 m Don't allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

## WTGs

	Lithuanian TM LKS94-LKS94 (LT)			Row data/Description	WTG type			Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones
	East	North	Z		Valid	Manufact.	Type-generator				Creator	Name			
			[m]												
T01	399.666	6.213.077	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T02	400.040	6.212.369	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T03	400.620	6.212.800	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T04	401.360	6.213.286	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T05	402.299	6.213.212	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06a	404.362	6.212.316	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T06b	405.436	6.212.093	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T08	405.716	6.211.373	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T09	406.370	6.211.916	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T10	400.437	6.211.661	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T11	400.926	6.211.096	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T12	401.723	6.211.214	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T13	400.318	6.210.131	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T14	401.130	6.209.941	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T16	401.045	6.209.035	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T17	401.767	6.208.477	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T18	403.913	6.207.263	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T20	402.755	6.205.084	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T21	405.182	6.205.602	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T22	402.010	6.204.814	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T23	403.044	6.204.349	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T24	403.999	6.204.104	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25a	404.764	6.204.072	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T25b	404.576	6.203.249	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h
T26	403.792	6.203.277	120,0	NORDEX N163/5.X 570...	Yes	NORDEX	N163/5.X-5.700	5.700	163,0	164,0	USER	Mode 0 STE	10,0	107,2	0 dB h

h) Generic octave distribution used

## Calculation Results

## Sound Level

Noise sensitive area No.	Name	Lithuanian TM LKS94-LKS94 (LT)			Immission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ? Noise
		East	North	Z				
A	Noise sensitive area: Demands defined in calculation setup. (51)	398.987	6.213.360	120,0	1,5	45,0	36,7	Yes
B	Noise sensitive area: Demands defined in calculation setup. (52)	398.624	6.212.824	120,0	1,5	45,0	34,1	Yes
C	Noise sensitive area: Demands defined in calculation setup. (53)	399.172	6.212.444	120,0	1,5	45,0	38,1	Yes
D	Noise sensitive area: Demands defined in calculation setup. (54)	399.946	6.211.804	120,0	1,5	45,0	42,3	Yes
E	Noise sensitive area: Demands defined in calculation setup. (55)	401.664	6.213.267	120,0	1,5	45,0	44,4	Yes
F	Noise sensitive area: Demands defined in calculation setup. (56)	401.696	6.212.936	120,0	1,5	45,0	41,8	Yes
G	Noise sensitive area: Demands defined in calculation setup. (57)	402.723	6.212.913	120,0	1,5	45,0	39,6	Yes
H	Noise sensitive area: Demands defined in calculation setup. (58)	403.741	6.212.854	120,0	1,5	45,0	36,0	Yes
I	Noise sensitive area: Demands defined in calculation setup. (59)	403.458	6.212.340	120,0	1,5	45,0	35,7	Yes
J	Noise sensitive area: Demands defined in calculation setup. (60)	400.488	6.209.810	120,0	1,5	45,0	43,6	Yes
K	Noise sensitive area: Demands defined in calculation setup. (61)	402.487	6.209.692	120,0	1,5	45,0	34,8	Yes

To be continued on next page...

Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIU R. SAV.

## 3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

## DECIBEL - Main Result

Calculation: VE modelis NORDEX N163/5.x, boksto aukstis 164 m, rotoriaus skersmuo 163 m

...continued from previous page

Noise sensitive area		Lithuanian TM LKS94-LKS94 (LT)				Demands	Sound Level	Demands fulfilled ?
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Noise
					[m]	[dB(A)]	[dB(A)]	
L	Noise sensitive area: Demands defined in calculation setup. (62)	402.912	6.208.470	120,0	1,5	45,0	34,0	Yes
M	Noise sensitive area: Demands defined in calculation setup. (19)	402.062	6.205.601	120,0	1,5	45,0	37,7	Yes
N	Noise sensitive area: Demands defined in calculation setup. (20)	402.847	6.205.510	120,0	1,5	45,0	41,4	Yes
O	Noise sensitive area: Demands defined in calculation setup. (21)	403.134	6.205.520	120,0	1,5	45,0	39,4	Yes
P	Noise sensitive area: Demands defined in calculation setup. (63)	403.366	6.205.401	120,0	1,5	45,0	38,6	Yes
R	Noise sensitive area: Demands defined in calculation setup. (18)	403.297	6.205.825	120,0	1,5	45,0	36,3	Yes
S	Noise sensitive area: Demands defined in calculation setup. (22)	404.582	6.205.665	120,0	1,5	45,0	38,5	Yes
T	Noise sensitive area: Demands defined in calculation setup. (24)	405.479	6.205.383	120,0	1,5	45,0	42,0	Yes
U	Noise sensitive area: Demands defined in calculation setup. (23)	404.706	6.204.542	120,0	1,5	45,0	41,5	Yes
V	Noise sensitive area: Demands defined in calculation setup. (65)	403.530	6.205.679	120,0	1,5	45,0	36,3	Yes
Z	Noise sensitive area: Demands defined in calculation setup. (64)	404.190	6.207.396	120,0	1,5	45,0	43,3	Yes

## Distances (m)

WTG	R	M	N	O	S	U	T	A	B	C	D	E	F	G	H	I	J	K	L	P	Z	V
T01	7402	7812	8177	8278	8401	9504	9631	735	1072	802	1284	2006	2035	3042	4016	3752	3368	4405	5573	8471	7261	8324
T02	6602	7025	7380	7479	7603	8707	8843	1446	1480	871	573	1855	1718	2697	3678	3298	2597	3626	4782	7671	6476	7523
T03	6734	7303	7592	7655	7690	8777	8852	1726	1996	1490	1203	1143	1075	2078	3061	2763	2992	3625	4824	7838	6475	7670
T04	6946	7677	7884	7902	7822	8890	8893	2374	2774	2343	2048	304	485	1412	2350	2209	3583	3753	4970	8078	6533	7885
T05	6677	7574	7686	7655	7453	8495	8427	3315	3695	3219	2742	546	586	518	1414	1372	3840	3497	4679	7822	6114	7606
T06a	5795	7060	6932	6787	6260	7225	6991	5474	5759	5190	4445	2772	2632	1675	822	904	4566	3169	3975	6919	4902	6658
T06b	5870	7280	7032	6828	6110	7011	6674	6571	6850	6272	5497	3861	3728	2768	1848	1993	5393	3742	4224	6937	4821	6659
T08	5324	6796	6485	6254	5456	6326	5957	7015	7236	6629	5785	4386	4195	3286	2469	2456	5394	3574	3815	6346	4214	6066
T09	6111	7608	7268	7020	6153	6977	6553	7521	7797	7215	6424	4806	4679	3714	2775	2942	6187	4411	4657	7100	4966	6820
T10	5790	6236	6576	6671	6792	7898	8042	2233	2129	1464	509	2021	1719	2545	3472	2970	1851	2842	3981	6861	5680	6712
T11	5061	5572	5877	5958	6054	7157	7295	2980	2848	2181	1182	2293	1900	2479	3294	2696	1357	2099	3234	6144	4933	5988
T12	4859	5583	5782	5806	5780	6859	6921	3476	3472	2814	1865	2041	1613	1887	2586	1947	1840	1700	2910	5984	4545	5799
T13	4591	4817	5237	5369	5623	6760	7010	3492	3131	2526	1653	3412	3033	3598	4358	3718	363	2212	3062	5584	4739	5469
T14	3958	4400	4722	4818	4974	6097	6294	4034	3777	3132	2159	3368	2947	3287	3909	3232	591	1379	2279	5012	3979	4870
T16	3287	3544	3929	4055	4321	5461	5743	4789	4446	3836	2923	4276	3853	4139	4674	3990	865	1584	1950	4269	3546	4155
T17	2394	2852	3128	3222	3424	4562	4831	5618	5316	4690	3741	4777	4348	4446	4801	4122	1758	1384	1145	3420	2652	3286
T18	865	2453	2010	1767	1290	2350	2439	7837	7633	6980	5988	6368	5957	5666	5593	5025	4180	2756	1348	1874	307	1598
T20	918	862	436	578	1312	2008	2740	9091	8718	8129	7227	8230	7802	7726	7831	7206	5154	4562	3283	688	2671	977
T21	1305	3096	2308	1890	603	566	369	9926	9712	9062	8073	8384	7983	7604	7393	6894	6214	4833	3437	1749	1931	1630
T22	1621	789	1088	1327	2104	2699	3514	9063	8638	8080	7228	8443	8014	8031	8223	7576	5139	4852	3697	1477	3341	1748
T23	1477	1591	1177	1174	1499	1670	2640	9880	9503	8916	8016	8997	8569	8466	8532	7920	5942	5317	3999	1100	3190	1416
T24	1797	2445	1807	1623	1378	832	1940	10524	10191	9582	8648	9420	8998	8793	8752	8179	6610	5731	4335	1405	3213	1643
T25a	2086	3097	2380	2097	1524	473	1464	10936	10641	10017	9060	9662	9247	8964	8840	8302	7065	6004	4583	1878	3280	2017
T25b	2788	3442	2837	2648	2292	1299	2277	11550	11222	10611	9674	10394	9975	9731	9640	9089	7640	6714	5304	2428	4074	2643
T26	2547	2897	2423	2322	2217	1560	2676	11167	10801	10209	9298	10182	9757	9588	9576	8993	7232	6489	5116	2140	4056	2416



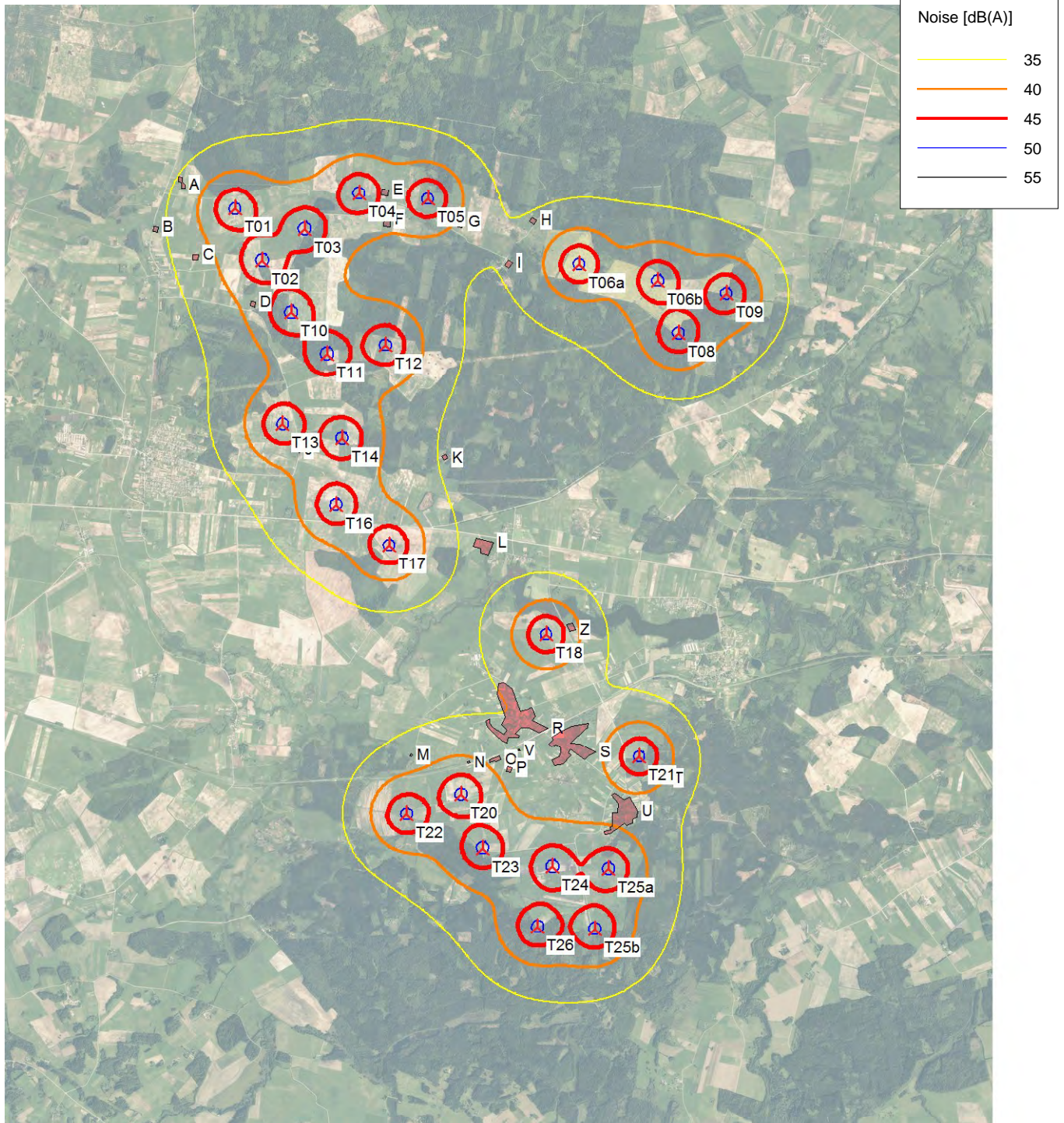
Project:

UAB „TELSIU VEJO PARKAS“ VEJO ELEKTRINIŲ PARKAS TELSIO R. SAV.

3 ALTERNATYVA. Dienos ir vakaro meto skaičiavimai

DECIBEL - Map 10,0 m/s

Calculation: VE modelis NORDEX N163/5.x, boksto aukstis 164 m, rotoriaus skersmuo 163 m



Map: Telsiai23 , Print scale 1:80.000, Map center Lithuanian TM LKS94-LKS94 (LT) East: 403.353 North: 6.207.942

New WTG

Noise sensitive area

Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s  
Height above sea level from active line object