

Project:

Alutaguse vald

Licensed user:

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 Calculated:  
 17.09.2024 14:15/4.0.552

## VISUAL - Main result

Calculation: Alutaguse

WTG siting

	WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance to camera						
	Valid	Manufact.					A	B	C	D	E	F	
1	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	4 923	5 947	4 786	4 454	1 204	1 414
2	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 342	5 987	4 974	4 621	1 434	1 539
3	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	6 044	5 166	4 693	4 292	2 992	3 053
4	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 702	5 291	4 621	4 232	2 523	2 607
5	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 823	4 518	4 155	3 749	3 430	3 543
6	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 303	4 648	3 986	3 592	2 869	3 021
7	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	4 773	5 087	4 070	3 711	2 096	2 308
8	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 201	4 103	3 552	3 150	3 356	3 534
9	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	5 435	5 588	4 718	4 347	1 962	2 065
10	New	Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	4 303	5 424	4 151	3 833	1 648	1 943

A Iisaku-Tudulinna-Avinurme, Pikati. Lahim tuulik 4285 m kaugusel.



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 624 254 6 548 874 402 3 257 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: A. Iisaku-Tudulinna-Avinurme, Pikati. Lahim tuulik 4285 m kaugusel.

B Iisaku-Tudulinna-Avinurme.



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 676 188 6 548 711 415 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: B. Iisaku-Tudulinna-Avinurme.

C Tudulinna-Sahargu. Lahim tuulik 3582m kaugusel



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 676 188 6 548 711 415 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: C. Tudulinna-Sahargu. Lahim tuulik 3582m kaugusel.

D 4. Rakvere-Rannapungerja. Lahim tuulik 3180 m kaugusel.



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 676 188 6 548 711 415 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: D. 4. Rakvere-Rannapungerja. Lahim tuulik 3180 m kaugusel.

E 6. Kellasaare. Lahim tuulik 1196 m kaugusel.



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 624 254 6 548 874 402 3 257 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: E. 6. Kellasaare. Lahim tuulik 1196 m kaugusel.

F 5. Antsu, Kellasaare. Lahim tuulik 1541m kaugusel.



Ekstrem Lambert I-EST79-EST79 (3) East North Z Clouds Clear sky (0/0) Landscape picture file: 2544 x 1836 pixels Eye point: 676 188 6 548 711 415 Visibility: Normal Photo date: 2023/09/10/13:00 Field of view: 36.0 x 45.7° Lens: 25 mm Film: 38x42 mm Target plane: Photo date: F. 5. Antsu, Kellasaare. Lahim tuulik 1541m kaugusel.



Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
Alutaguse vald	1	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 923
	2	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 342
	3	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	6 044
	4	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 702
	5	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 823
	6	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 303
	7	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 773
	8	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 201
	9	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 435
	10	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 303

Recommended observation distance: 25 cm

Photo exposed: 01.10.2022 10:11:15

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 673 019 North: 6 546 836

Wind direction: 0° Direction of photo: 25°

Software: windPRO version 4.0.552

Photo desc.: A Iisaku-Tudulinna-Avinurme, Pikati. Lähim tuulik 4285 m kaugusel.

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
Alutaguse vald	1	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 947
	2	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 987
	3	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 166
	4	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 291
	5	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 518
	6	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 648
	7	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 087
	8	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 103
	9	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 588
	10	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	5 424

Recommended observation distance: 25 cm

Photo exposed: 01.10.2022 10:23:43

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 678 188 North: 6 548 711

Wind direction: 0° Direction of photo: 296°

Software: windPRO version 4.0.552

Photo desc.: B Iisaku-Tudulinna-Avinurme.

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
Alutaguse vald	1	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 786
	2	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 974
	3	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 693
	4	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 621
	5	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 155
	6	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 986
	7	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 070
	8	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 552
	9	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 718
	10	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 151

Recommended observation distance: 25 cm

Photo exposed: 01.10.2022 10:33:45

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 676 208 North: 6 548 135

Wind direction: 0° Direction of photo: 329°

Software: windPRO version 4.0.552

Photo desc.: C Tudulinna-Sahargu. Lähim tuulik 3582m kaugusel

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
Alutaguse vald	1	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 454
	2	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 621
	3	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 292
	4	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 232
	5	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 749
	6	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 592
	7	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 711
	8	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 150
	9	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	4 347
	10	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 833

Recommended observation distance: 25 cm

Photo exposed: 01.10.2022 10:41:30

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 676 160 North: 6 548 541

Wind direction: 0° Direction of photo: 353°

Software: windPRO version 4.0.552

Photo desc.: D 4. Rakvere-Rannapungerja. Lähim tuulik 3180 m kaugusel.

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
Alutaguse vald	1 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	1 204
	2 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	1 434
	3 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	2 992
	4 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	2 523
	5 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	3 430
	6 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	2 869
	7 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	2 096
	8 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	3 356
	9 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	1 962
	10 New Yes	Teoreetiline	V180-7 200	7 200	180,0	180,0	1 648

Recommended observation distance: 25 cm

Photo exposed: 01.10.2022 11:02:19

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 671 888 North: 6 551 926

Wind direction: 0° Direction of photo: 101°

Software: windPRO version 4.0.552

Photo desc.: E 6. Kellasaare. Lähim tuulik 1196 m kaugusel.

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
Alutaguse vald	1	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	1 414
	2	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	1 539
	3	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 053
	4	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	2 607
	5	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 543
	6	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 021
	7	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	2 308
	8	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	3 534
	9	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	2 065
	10	New	Yes	Teoreetiline V180-7 200	7 200	180,0	180,0	1 943

Recommended observation distance: 25 cm

Photo exposed: 01.06.2022 13:55:00

Field of view: 56,6°x33,7° Lens: 35 mm Film: 38x21 mm Pixels: 3264x1836

Eye point: Estonian Lambert L-EST97-EST97 (EE) East: 671 765 North: 6 552 281

Wind direction: 0° Direction of photo: 76°

Software: windPRO version 4.0.552

Photo desc.: F 5. Antsu, Kellassaare. Lähim tuulik 1541m kaugusel.

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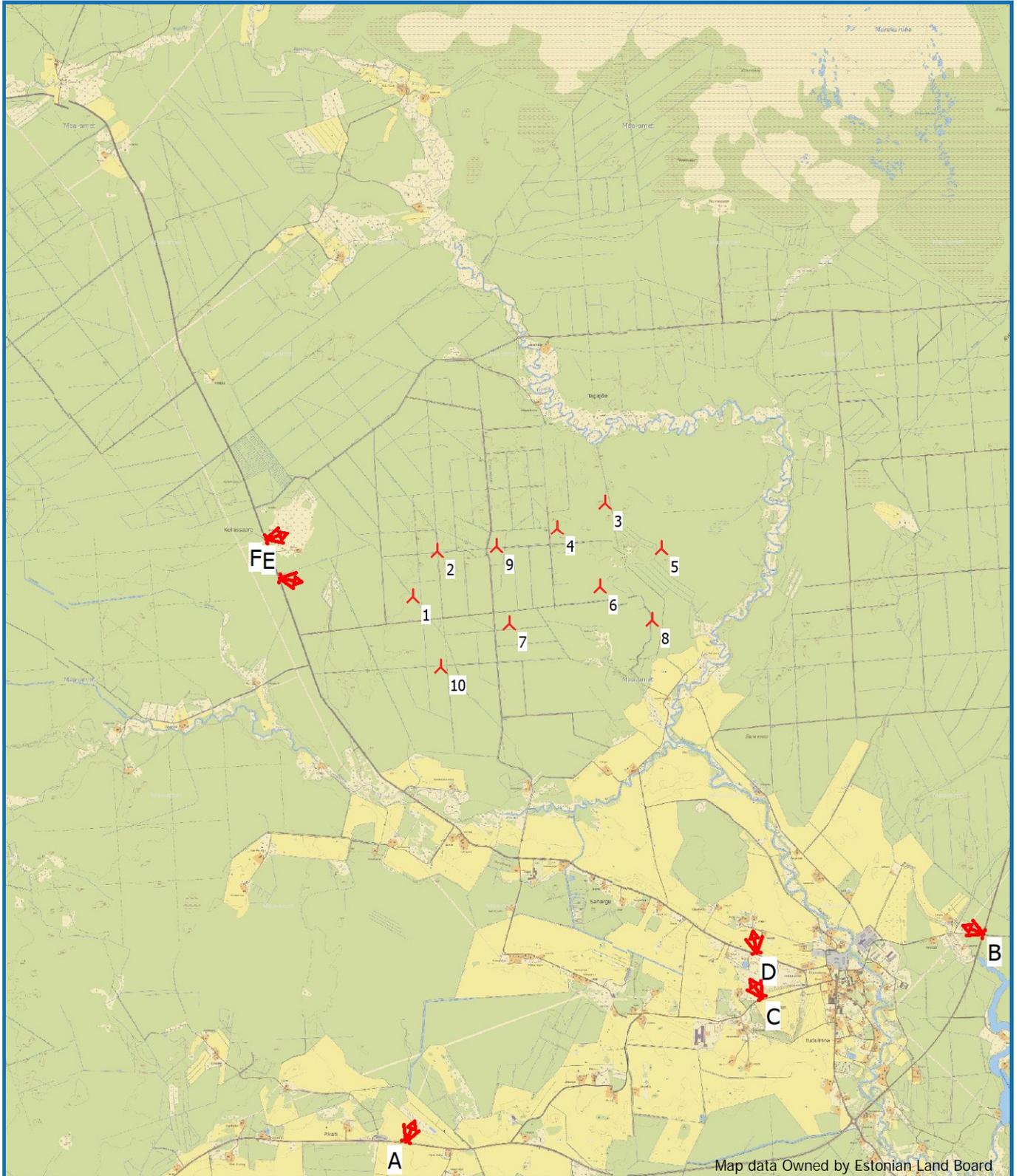
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## VISUAL - Map

Calculation: Alutaguse



0 500 1000 1500 2000 m

Map: Estonian Land Board Basemaps / Maa-ameti aluskaardid , Print scale 1:50 000, Map center Estonian Lambert L-EST97-EST97 (EE) East: 674 136 North: 6 552 055  
▲ New WTG      ↘ Camera