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Wind power projects in Finland

27.8.2025

RAMBØLL Bright ideas. Sustainable change.

Disclaimer

The information on this presentation is based on information provided to Renewables Finland by project owners and developers. Ramboll Finland Oy and Renewables Finland are not responsible for possible errors in the provided data.

This presentation includes information and updates until June 2025. Any project updates that have occurred or have been reported after June 2025 will be included in January 2026 update.

In the lists of top ten municipalities and regions, projects which are located in two or more municipalities or regions are counted for both municipalities or regions as a whole (i.e. there is no distinction between division of turbines or capacities).

Onshore wind power projects in development

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Kuva: Christa Könönen

Onshore wind power in Finland

Onshore wind power project stage	Projects (number)	Capacity (MW)	Turbines
Identified project	57	7 528	949
Permitting / studies ongoing	307	48 013	5 699
Permitted	46	4 168	633
Under construction	7	1 138	171
SUM	**417**	**60 847**	**7 452**

Largest project
1 200 MW

Smallest project:
4 MW

Average project size:
147 MW

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Onshore wind power in Finland

Land use planning status	Projects	MW	Turbines
No permitting info given	28	1 684	240
Not required / STR	1	9	3
Not started yet	31	5 351	664
Land use planning started	158	27 497	3 267
LUP draft	64	9 711	1 172
LUP proposal	56	8 359	946
LUP approved	79	8 236	1 163
SUM	**417**	**60 847**	**7 452**

EIA status	Projects	MW	Turbines
No EIA info given	50	3 174	441
Not required	31	1 199	183
Not started yet	52	9 592	1 164
EIA process ongoing	152	27 713	3 263
EIA approved	132	19 169	2 402
SUM	**417**	**60 847**	**7 452**

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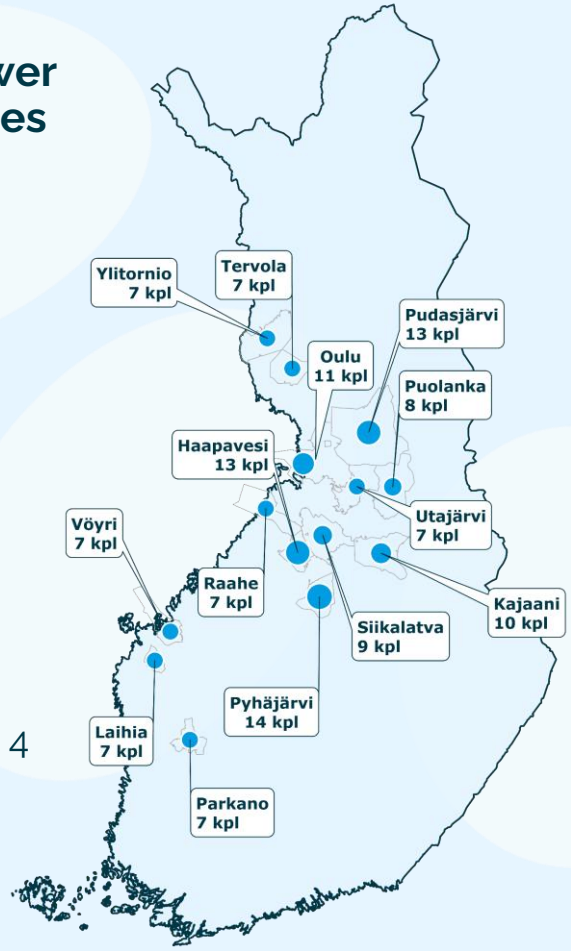
Onshore wind power projects on a map

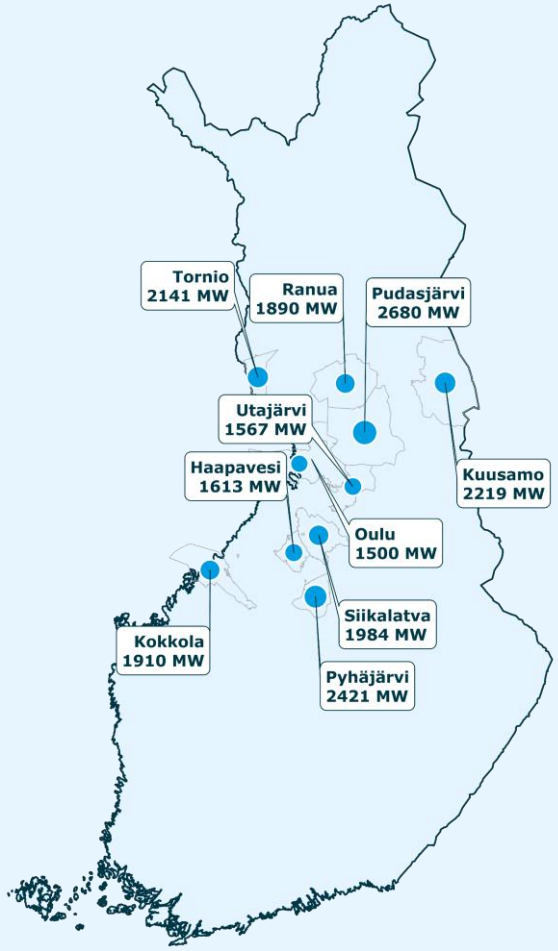
Number of onshore wind power projects – top 10 municipalities

1. Pyhäjärvi - 13 (1) projects
2. Pudasjärvi - 12 (1) projects
3. Haapavesi - 11 (1) projects
4. Oulu - 11 projects
5. Kajaani - 10 projects
6. Siikalatva - 9 projects
7. Puolanka - 7 (1) projects
8. Municipalities with 7 projects: Vöyri, Laihia, Raahe, Tervola, Utajärvi, Ylitornio. Parkano has 4 (3) projects.



Cumulative capacity of onshore wind powr projects (MW) - top 10 municipalities

1. Pudasjärvi – 1 980 (700) MW
2. Pyhäjärvi – 1 671 (750) MW
3. Kuusamo – 2 219 MW
4. Tornio – 1 241 (900) MW
5. Siikalatva – 1 984 MW
6. Kokkola - 1 690 (220) MW
7. Ranua - 1 890 MW
8. Haapavesi – 1 541 (72) MW
9. Utajärvi – 1 567 MW
10. Oulu - 1 500 MW



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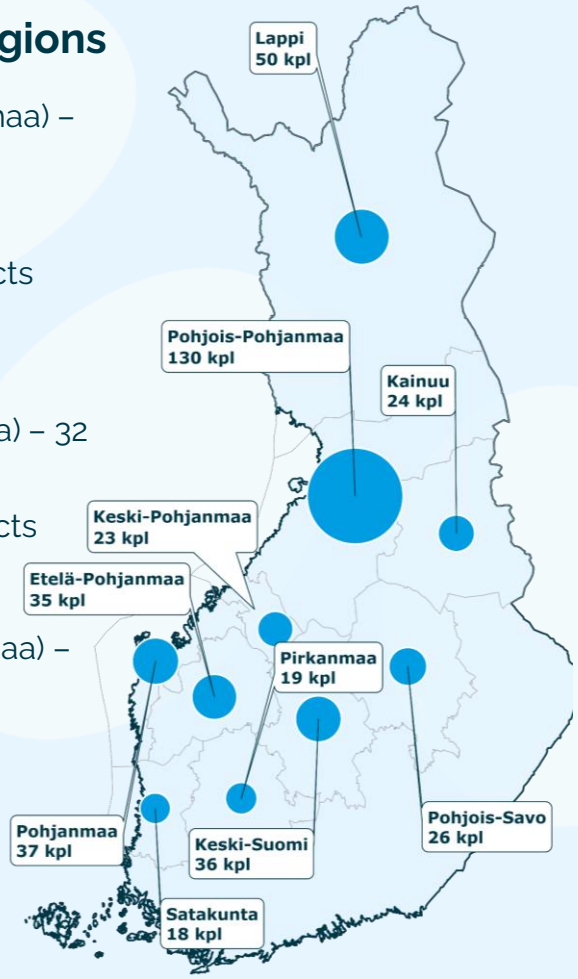
The parenthesis "()" represent instances when a municipality was marked as "other municipality" on project list.

For example, Pyhäjärvi was marked as main municipality 13 times and as "other municipality" 1 time.

Onshore wind power projects in regions

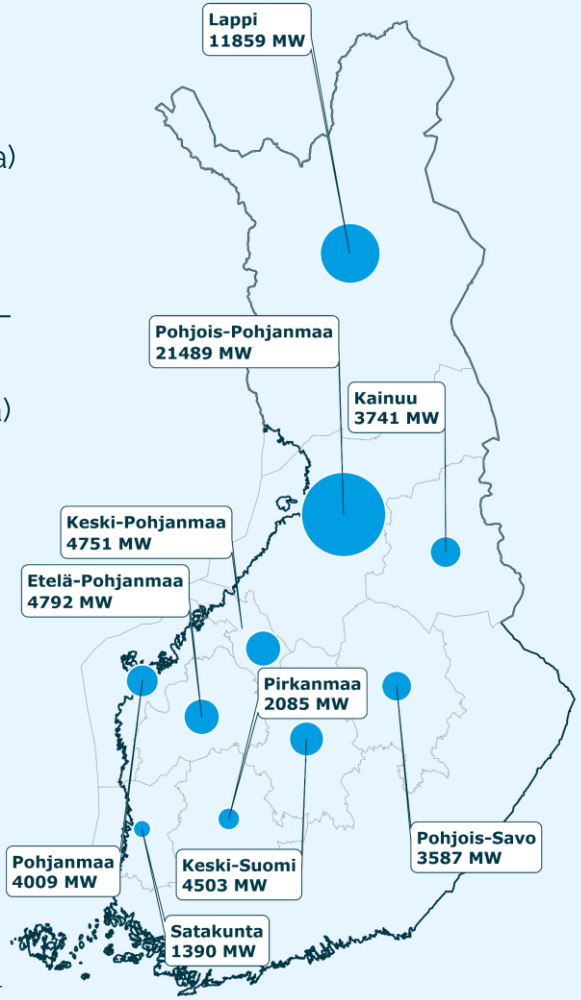
Number of projects– top 10 regions

1. North Ostrobothnia (Pohjois-Pohjanmaa) – 128 (2) projects
2. Lapland (Lappi) – 50 projects
3. Ostrobothnia (Pohjanmaa) – 37 projects
4. Central Finland (Keski-Suomi) – 35 (1) projects
5. South Ostrobothnia (Etelä-Pohjanmaa) – 32 (3) projects
6. North Savo (Pohjois-Savo) – 26 projects
7. Kainuu - 24 projects
8. Central Ostrobothnia (Keski-Pohjanmaa) – 22 (1) projects
9. Pirkanmaa – 18 (1) projects
10. Satakunta - 18 projects



Cumulative capacity (MW) – top 10 regions

1. North Ostrobothnia (Pohjois-Pohjanmaa) – 20 039 (1 450) MW
2. Lapland (Lappi) – 11 859 MW
3. South Ostrobothnia (Etelä-Pohjanmaa) – 4 502 (290) MW
4. Central Ostrobothnia (Keski-Pohjanmaa) – 4 611 (140) MW
5. Central Finland (Keski-Suomi) – 3 753 (750) MW
6. Ostrobothnia (Pohjanmaa) – 4 009 MW
7. Kainuu – 3 741 MW
8. North Savo (Pohjois-Savo) – 3 587 MW
9. Pirkanmaa – 1 970 (115) MW
10. Satakunta – 1 390 MW



The parenthesis "()" represent instances when a region was marked as "other region" on project list. For example, North Ostrobothinia was marked as main region 128 times and as "other region" 2 times.

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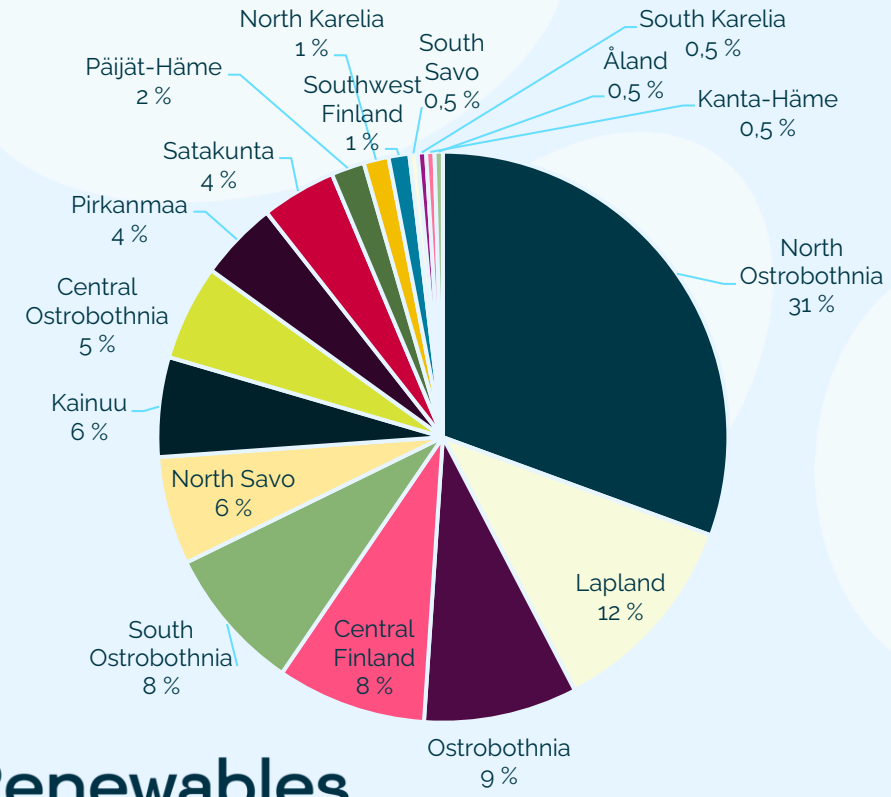
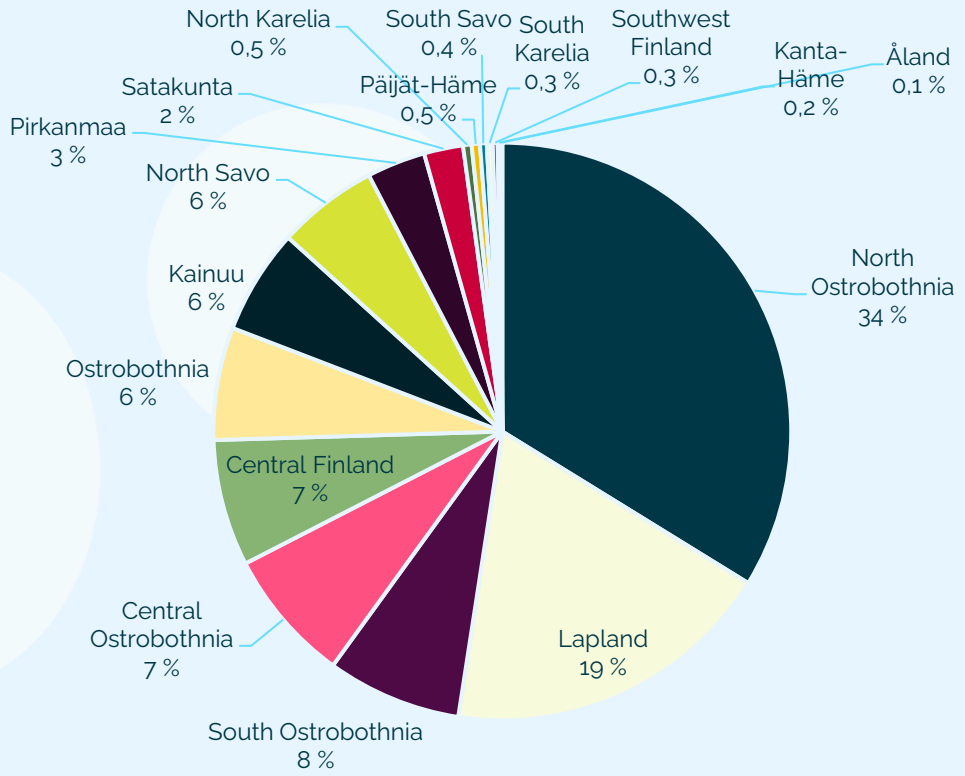
Onshore wind power projects in regions

Number (share of total)



Capacity (share of total)



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Offshore wind power projects in development

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Kuva: Christa Könönen

Offshore wind power projects in Finland

Offshore wind project stage (territorial waters)	Projects (number)	Capacity (MW)	Turbines
Identified project	4	4 400	539
Permitting / Studies ongoing	11	14 860	947
Permitted	0	0	0
Under construction	0	0	0
SUM, territorial	**15**	**19 260**	**1 486**
SUM, EEZ	**9**	**26 600**	**1 440**

All offshore wind power projects in EEZ (which provided status information to Renewables Finland) are progressing with a research permit. No project was reported to have exclusive rights.

Largest project:
4 950 MW

Smallest project:
160 MW

Average project:
1 994 MW

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Offshore wind power projects in Finland – LUP and EIA in territorial waters

Offshore wind project - LUP	Projects (number)	Capacity (MW)	Turbines
No permitting info given	8	20 250	1 003
Not started yet	6	14 150	908
Land use planning started	5	9 450	566
LUP draft	2	500	341
LUP proposal	1	650	55
LUP approved	2	860	54
SUM	**24**	**26 600**	**1 440**

Offshore wind - EIA	Projects (number)	Capacity (MW)	Turbines
No EIA info given	8	17 850	1 189
Not required	0	0	0
Not started yet	0	0	0
EIA process ongoing	12	26 000	1 588
EIA approved	4	2 010	149
SUM	**24**	**26 600**	**1 440**

Suomen uusiutuvat

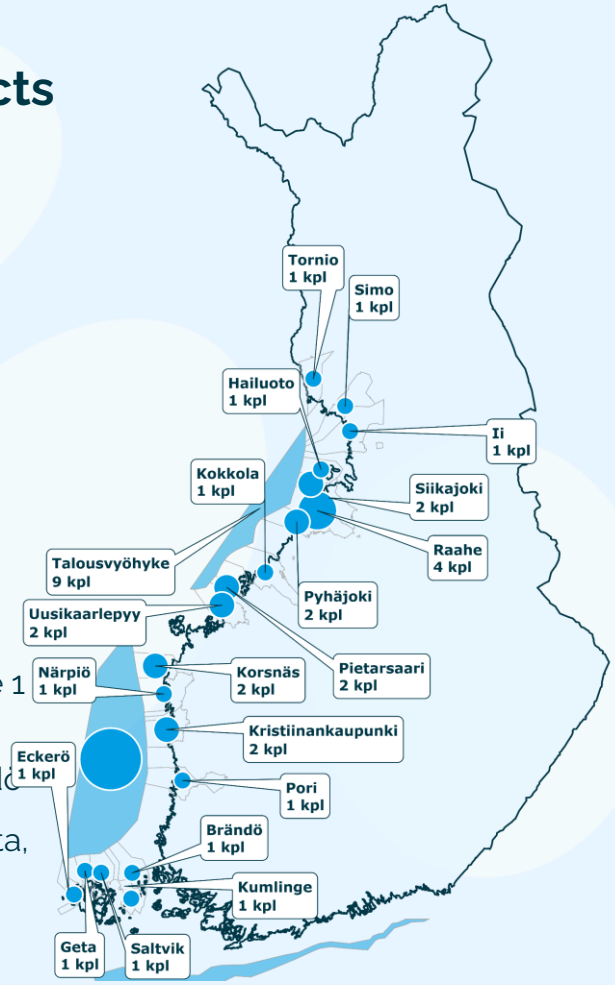
Offshore wind power projects on a map

Number of offshore projects

1. Exclusive economic zone (Talousvyöhyke) – 9 projects
2. Raahe – 1 (3) projects
3. Korsnäs – 2 projects
4. Kristiinankaupunki – 2 projects
5. Pyhäjoki – 2 projects
6. Siikajoki – 2 projects
7. Pietarsaari – 1 (1) projects
8. Uusikaarlepyy – 0 (2) projects
9. The following municipalities have 1 project:

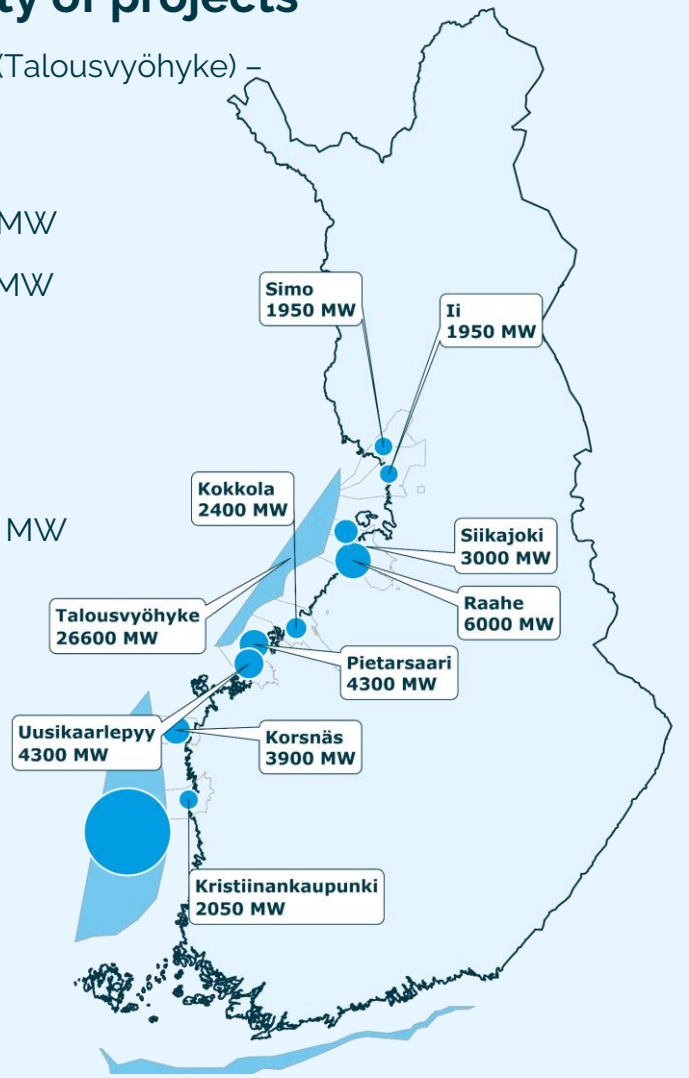
   1 (0): Ii, Närpiö, Pori, Tornio, Brändö

   0 (1): Simo, Hailuoto, Kokkola, Geta, Kumlinge, Saltvik, Eckerö



Cumulative capacity of projects

1. Exclusive economic zone (Talousvyöhyke) – 26 600 MW
2. Raahe – 2 100 (3 900) MW
3. Pietarsaari – 1 900 (2 400) MW
4. Uusikaarlepyy – 0 (4 300) MW
5. Korsnäs - 3 900 MW
6. Siikajoki – 3 000 MW
7. Kokkola – 0 (2 400) MW
8. Kristiinankaupunki – 2 050 MW
9. Ii – 1 950 MW
10. Simo – 0 (1 950) MW



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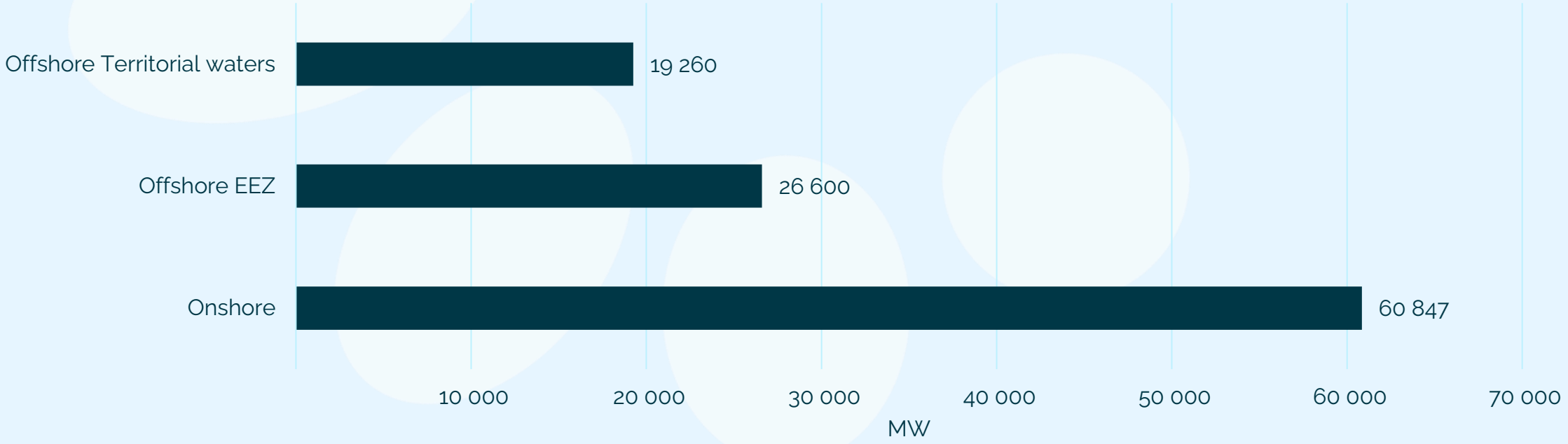
The parenthesis "()" represent instances when a municipality was marked as "other municipality" on project list.

For example, Raahe was marked as main municipality 1 time and as "other municipality" 3 times.

Offshore projects - territorial waters / EEZ



Suomen uusiutuvat

Wind power project developers

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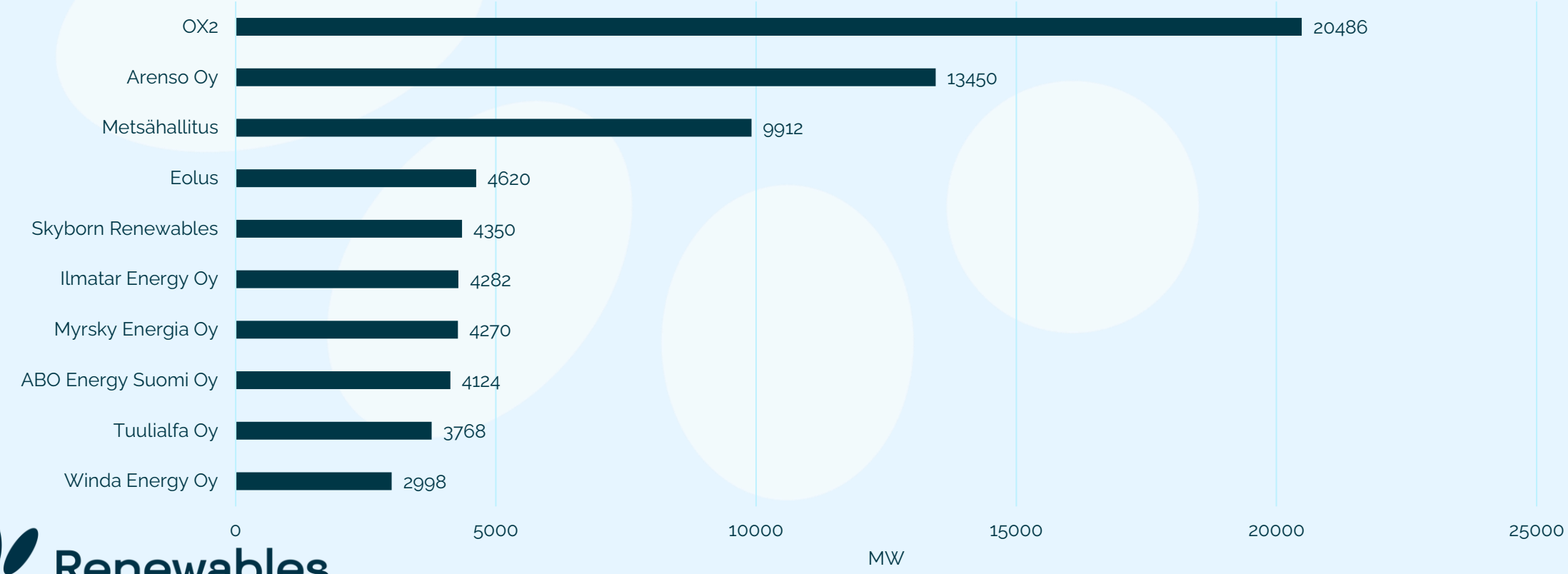
Kuva: Christa Könönen

Top 10 project developers: Wind power (onshore and offshore) cumulative capacity (MW)



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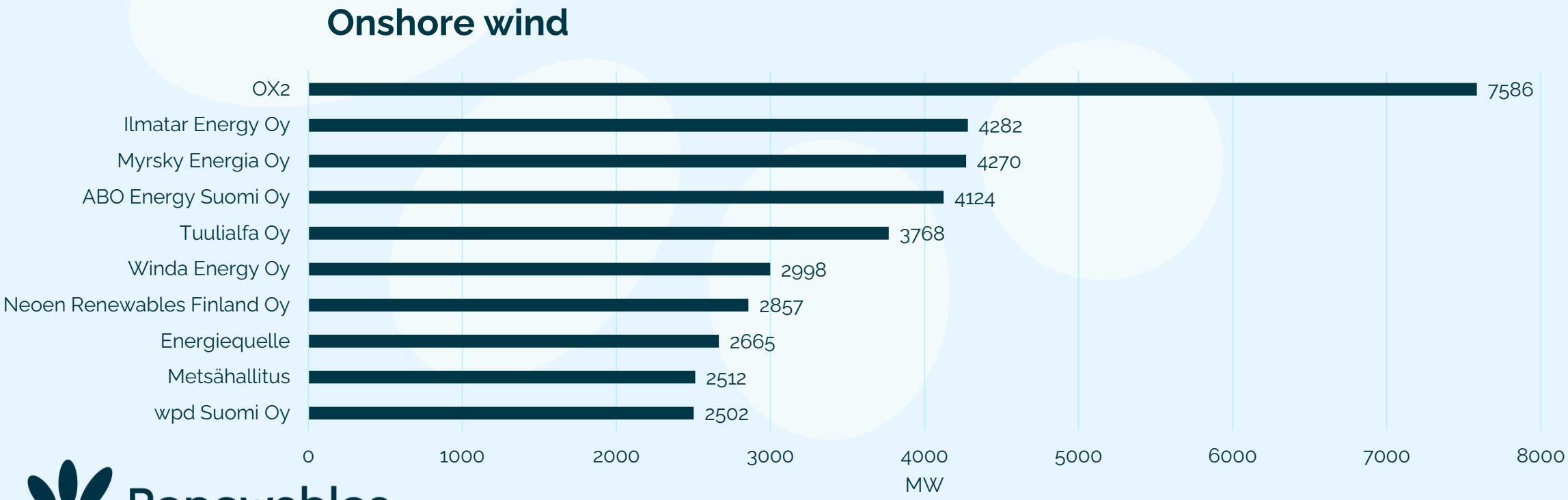
Top 10 project developers: Wind power cumulative capacity (MW)



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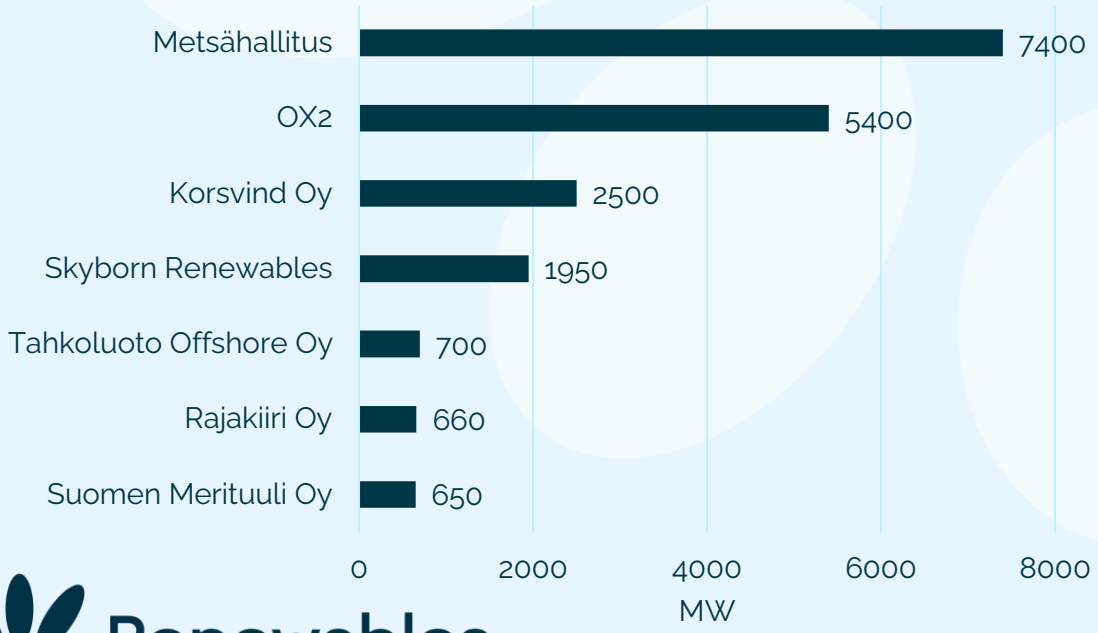
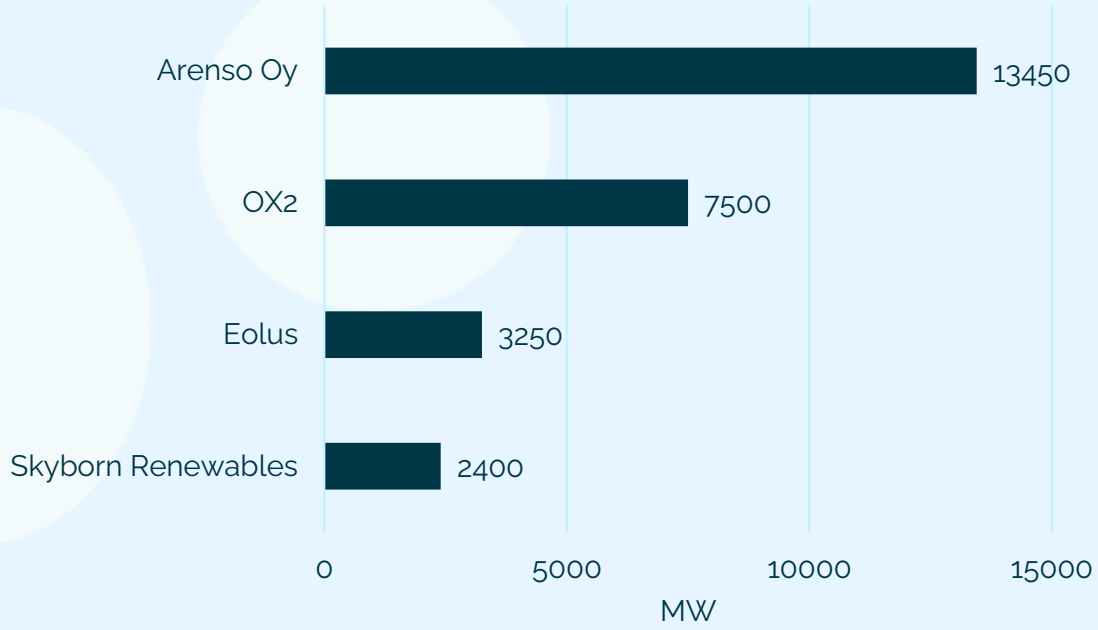
Top 10 project developers: Wind power cumulative capacity (MW)

Offshore wind, territorial waters



Offshore wind, EEZ



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Wind power development project owners

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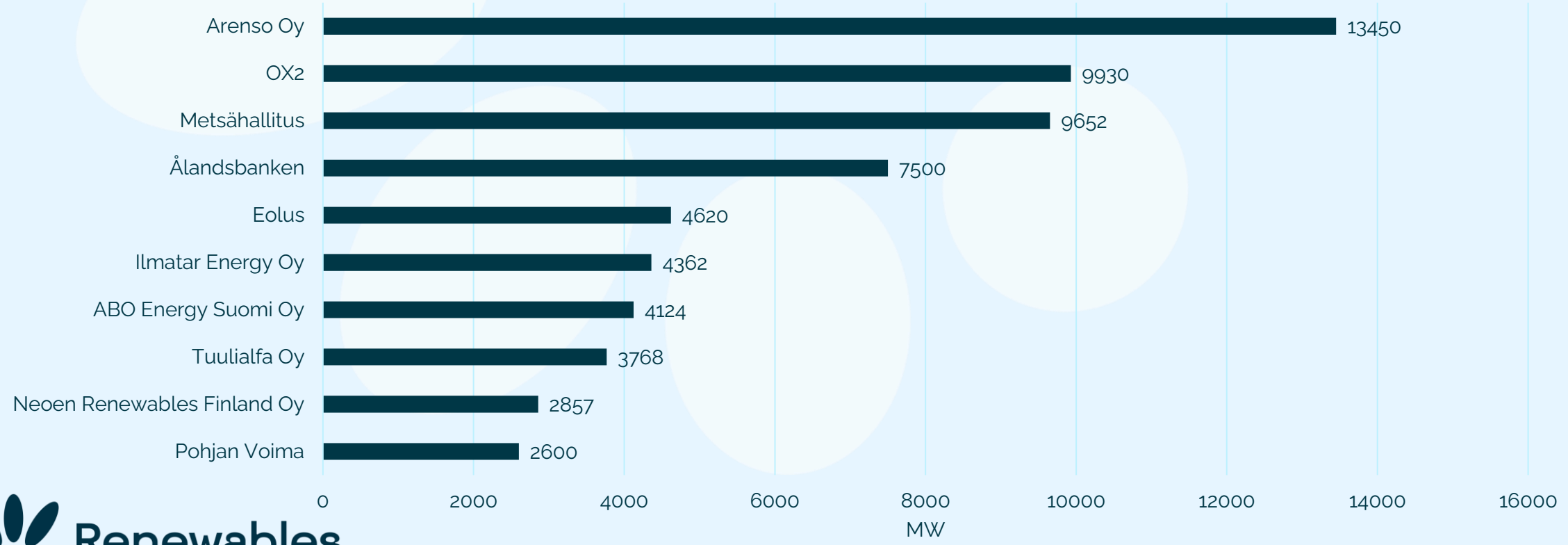
Kuva: Christa Könönen

Top 10 owners:
Wind power (onshore and offshore) cumulative capacity (MW)



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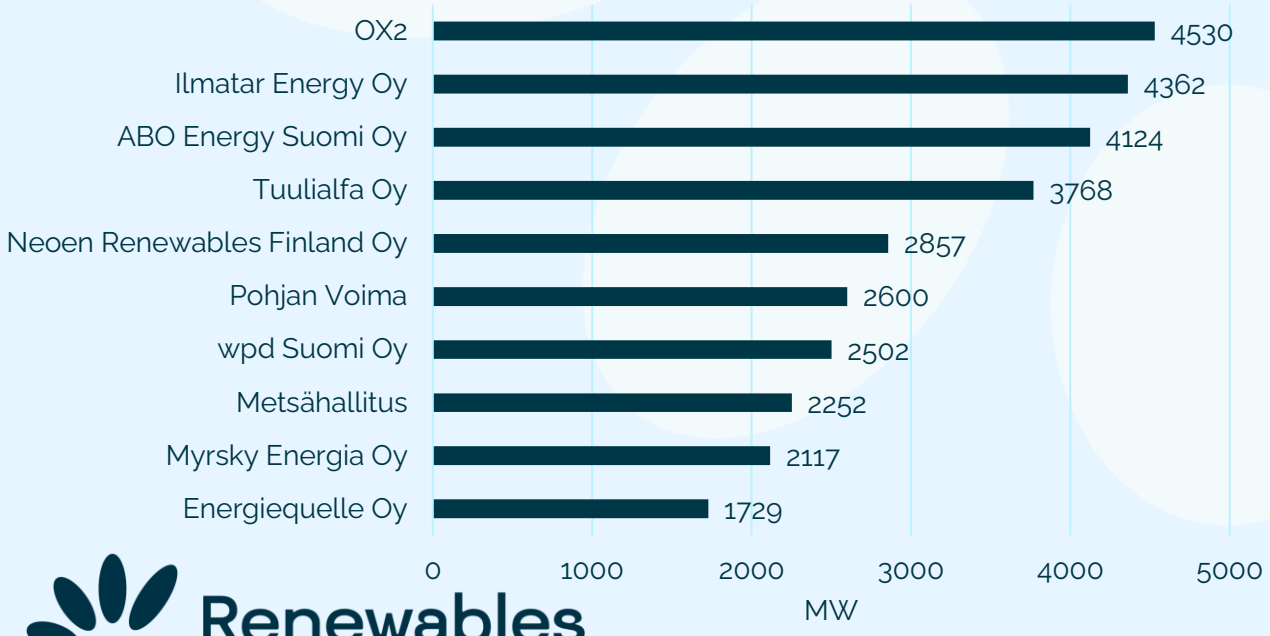
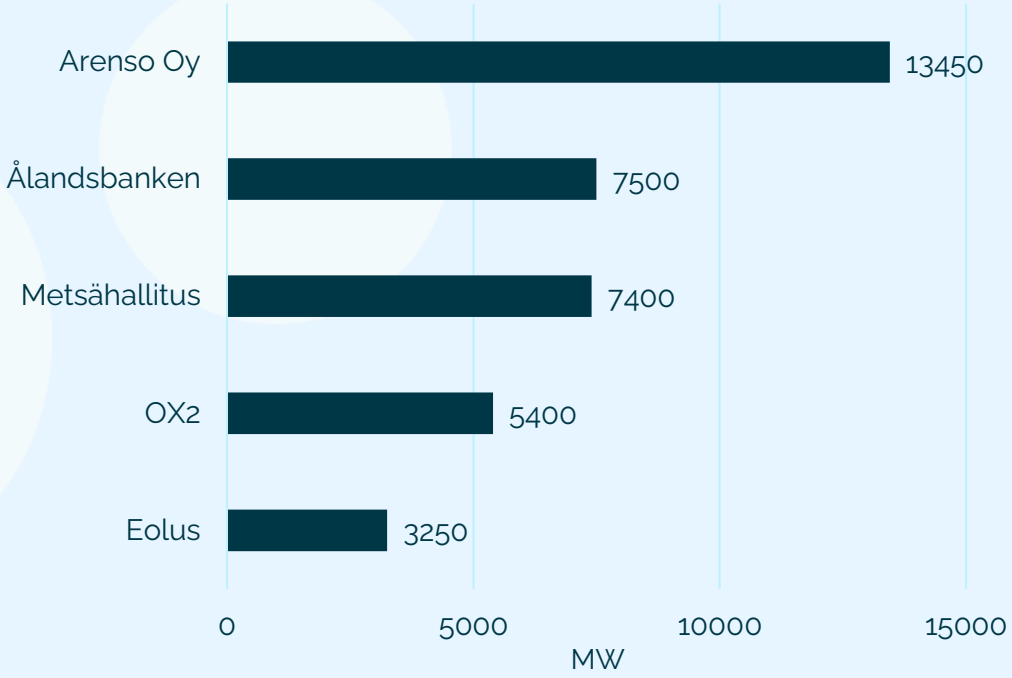
Top 10 owners:
Wind power cumulative capacity (MW)

Onshore wind



Offshore wind



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Hybrid projects in development

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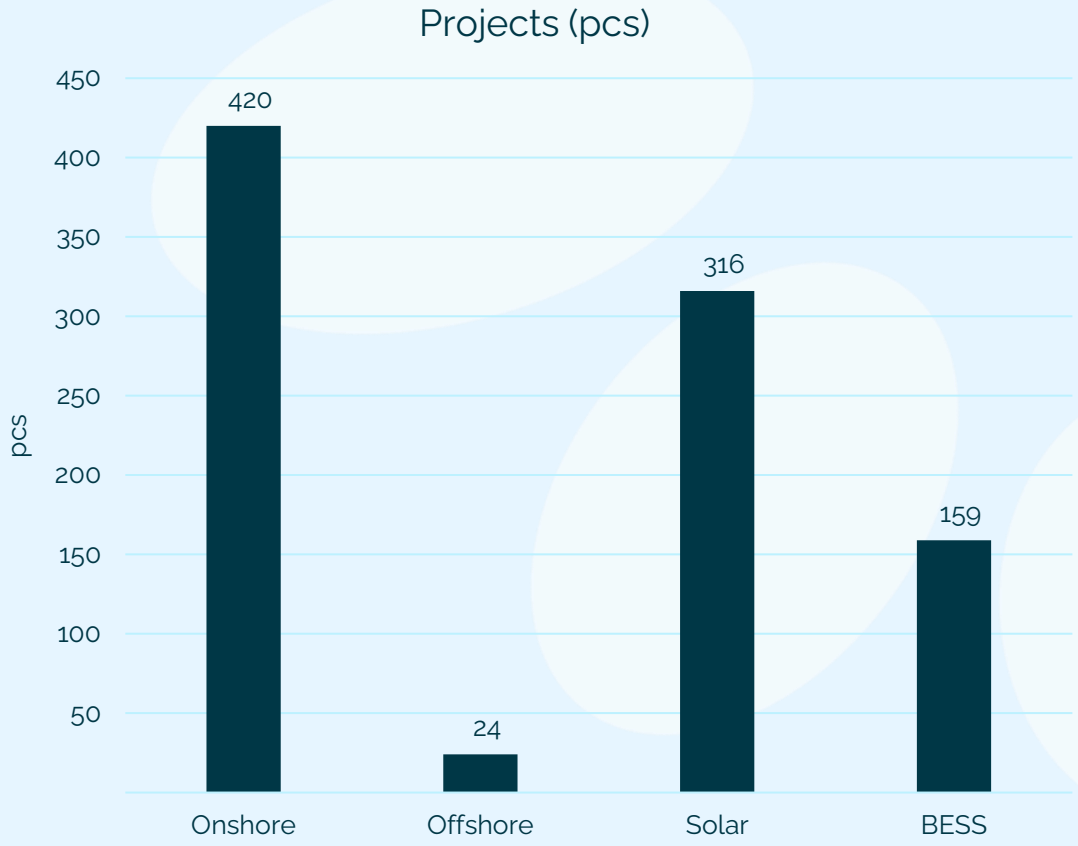
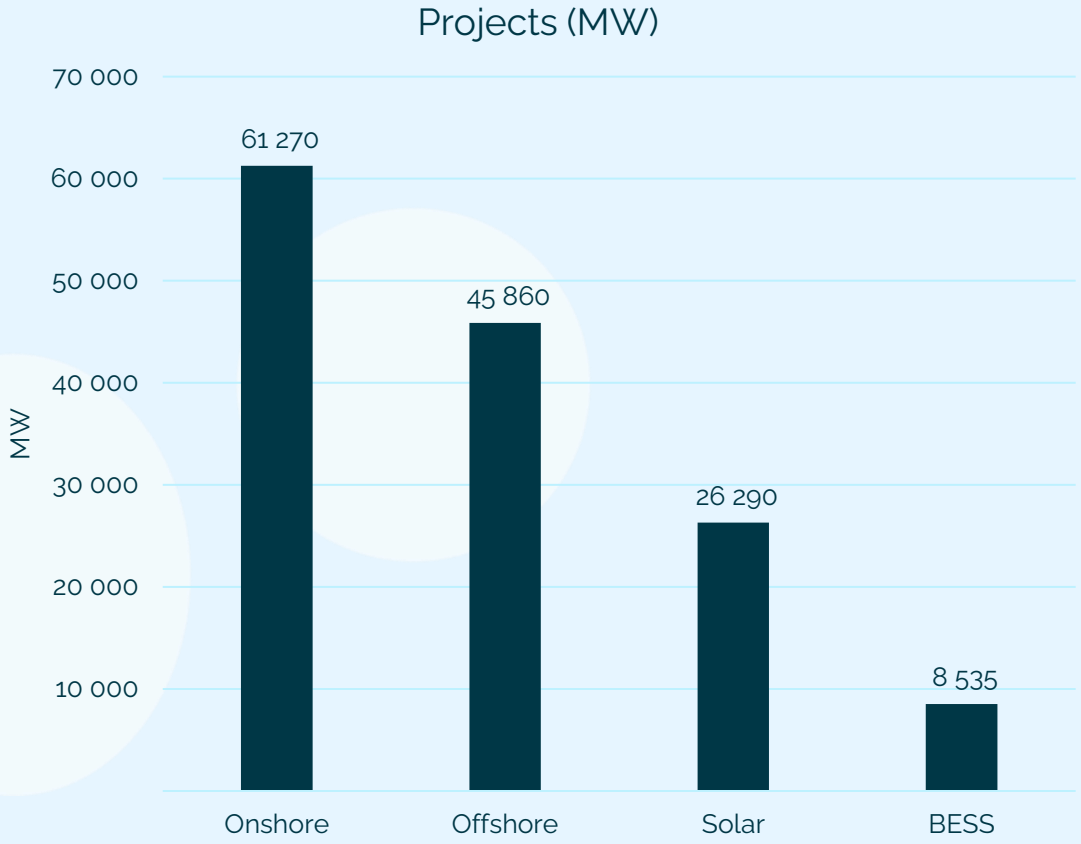
Renewable energy projects in Finland





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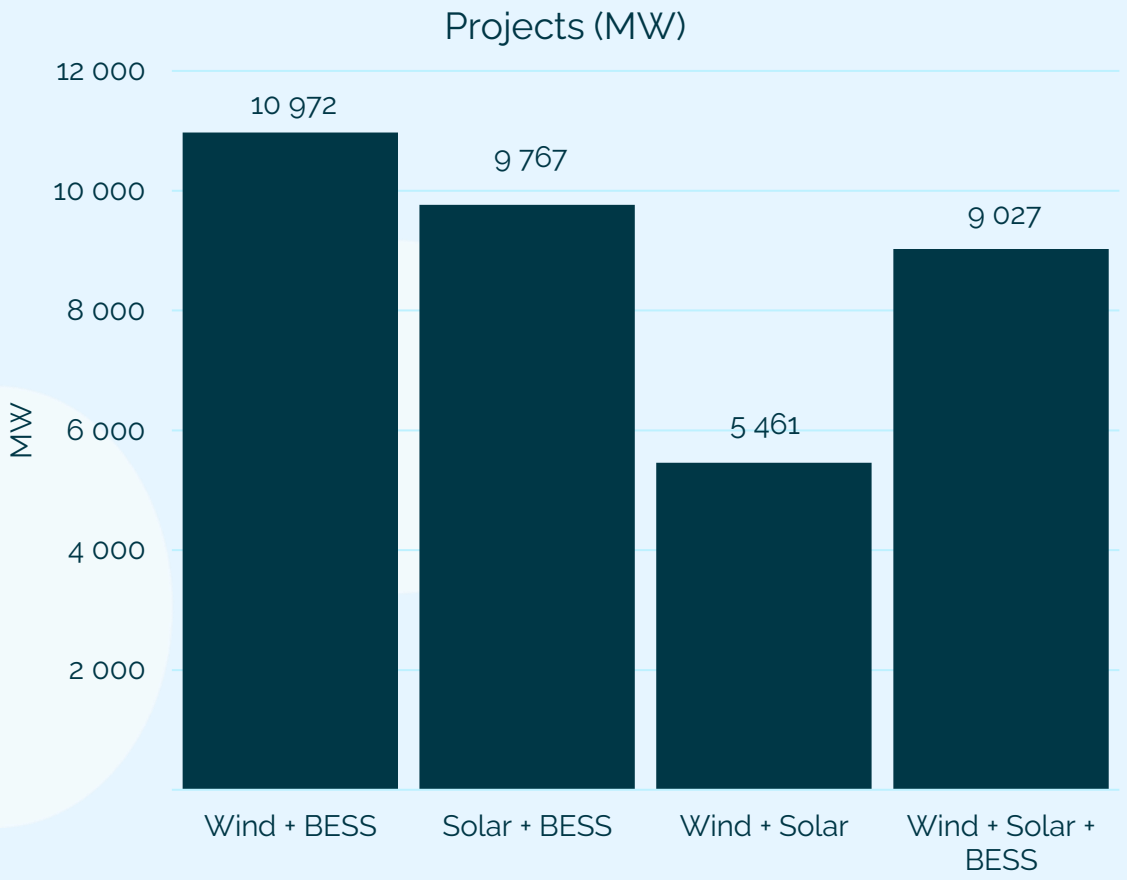
Onshore wind = all onshore wind projects, including hybrid projects
Solar = all solar PV projects, including hybrid projects
BESS = Battery energy storage system

Hybrid projects



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All different hybrid projects in project development and reported to Renewables Finland
MW is the total capacity of different technologies
BESS = Battery energy storage system

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