



BESS projects in Finland

19.8.2026

RAMBOLL

Bright ideas.
Sustainable change.

Disclaimer

The information in this presentation is based on information provided to Renewables Finland by project owners and developers, as well as the distribution system operators. Ramboll Finland Oy and Renewables Finland are not responsible for any errors in the data provided.

This presentation includes information and updates up to June 2026. Any project updates that have occurred or were reported after June 2026 will be included in the January 2027 update.

The presentation uses the exact data submitted by project developers in Excel format. To improve readability, figures have been rounded where necessary. However, the "Total" shown lastly in each table is based directly on the exact Excel data. As a result, the total presented may differ slightly from the sum of the rounded figures shown in the same table.

In the top ten municipality and region lists, projects located in two or more municipalities or regions are counted as a whole project for each municipality or region involved; no allocation is made based on the installed capacity. Similarly, if a project has more than one owner or developer, it is counted as a whole project for each party.

BESS projects in development



BESS projects in Finland

BESS, hybrid	Projects	Capacity (MW)	Turbines
Identified project	14	400	720
Permitting / studies ongoing	150	5 651	12 988
Permitted	43	1 281	2 474
Under construction	6	560	1 670
Total	213	7 892	17 852

BESS, stand-alone	Projects	Capacity (MW)	Turbines
Identified project	2	650	3 900
Permitting / studies ongoing	17	2 524	11 933
Permitted	6	434	1 250
Under construction	8	435	1 156
Total	34	4 049	18 239

BESS, hybrid = BESS within a hybrid project
BESS, stand-alone = battery storage as the main project asset

The largest projects:

Hybrid: 200 MW

Stand-alone: 500 MW

The smallest projects:

Hybrid: 1 MW

Stand-alone: 2 MW

Average project size:

Hybrid: 49 MW

Stand-alone: 116 MW

Average discharge duration:

Hybrid: 2,1 h

Stand-alone: 3,5 h

BESS projects in Finland – Land use planning (LUP) status

BESS, hybrid:

Land use plan (LUP) status	Projects	MW	MWh
No status information given	19	398	906
LUP not required / STR	42	1 117	2 940
LUP not required / building permit	22	750	1 850
LUP not started yet	18	956	1 731
LUP started	41	1 940	4 145
LUP draft	21	910	2 040
LUP proposal	15	610	1 420
LUP approved	35	1 211	2 820
Total	213	7 892	17 852

BESS, stand-alone:

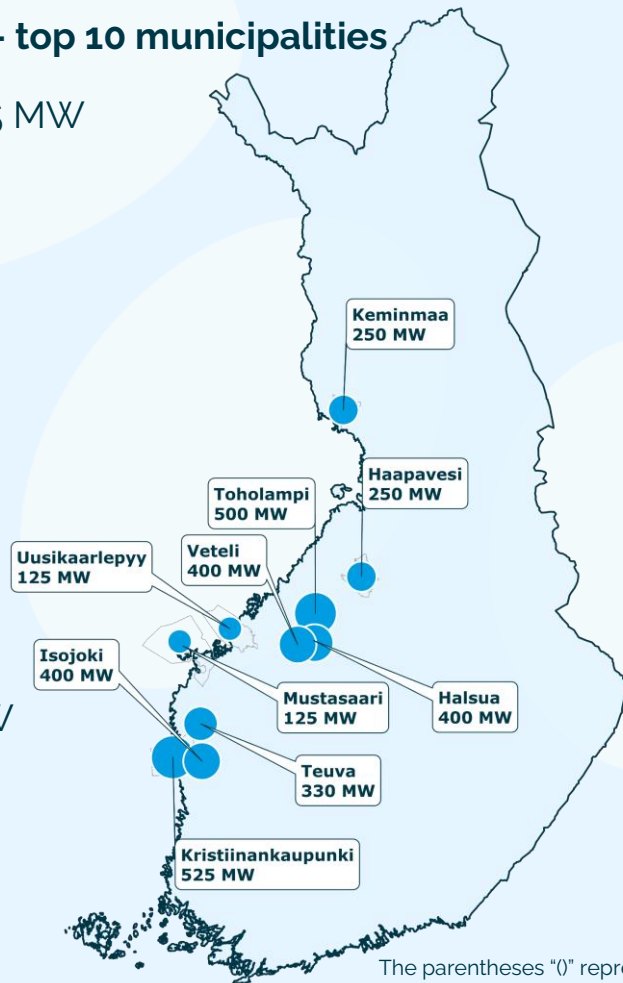
Land use planning status	Projects	MW	MWh
No status information given	1	6	-
LUP not required / STR	7	1 314	6 100
LUP not required / building permit	18	1 139	3 699
LUP not started yet	3	680	4 020
LUP started	2	800	4 200
LUP draft	0	0	0
LUP proposal	0	0	0
LUP approved	3	110	220
Total	34	4 049	18 239

BESS projects on a map

BESS, Stand-alone projects

Cumulative capacity (MW) - top 10 municipalities

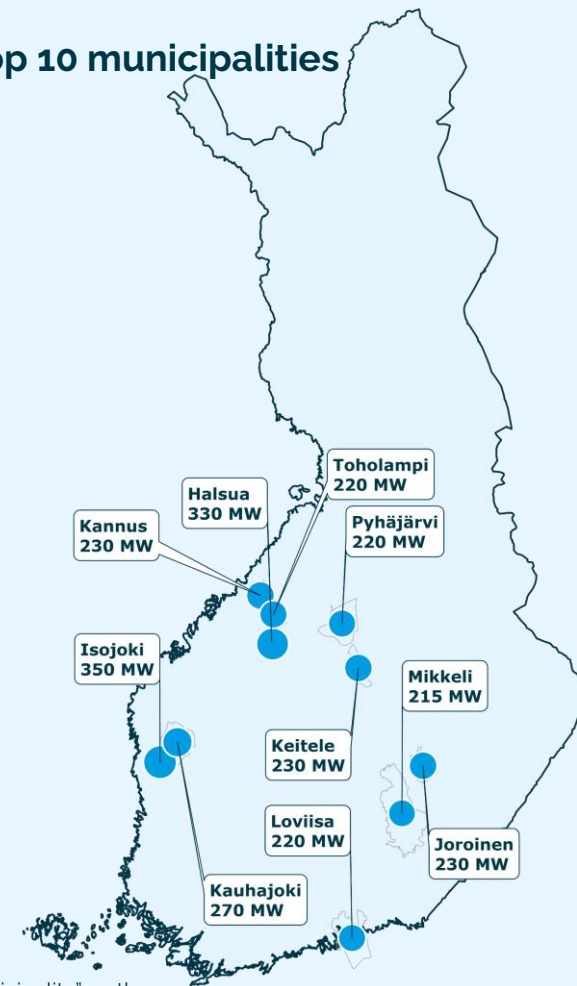
1. Kristiinankaupunki – 525 MW
2. Toholampi – 500 MW
3. Halsua – 400 MW
4. Isojoki – 400 MW
5. Veteli – 400 MW
6. Teuva – 330 MW
7. Haapavesi – 250 MW
8. Keminmaa – 250 MW
9. Mustasaari – 125 MW
10. Uusikaarlepyy – 125 MW



BESS, Hybrid projects

Cumulative capacity (MW) - top 10 municipalities

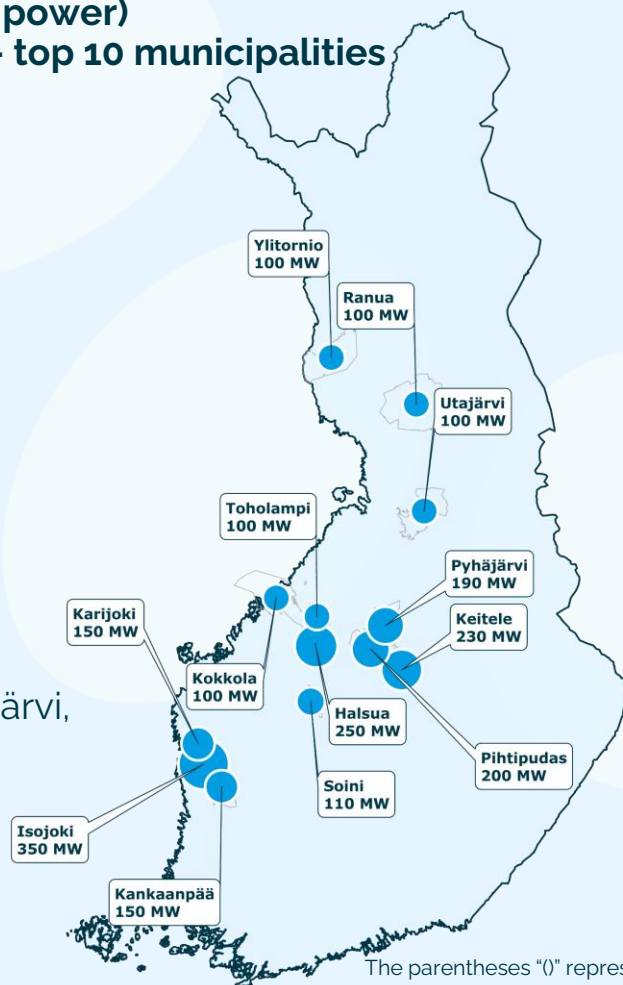
1. Isojoki – 350 MW
2. Halsua – 330 MW
3. Kauhajoki – 270 MW
4. Joroinen – 230 MW
5. Kannus – 230 MW
6. Keitele – 200 (30) MW
7. Toholampi – 220 MW
8. Loviisa – 220 MW
9. Pyhäjärvi – 220 MW
10. Mikkeli – 215 MW



BESS projects on a map

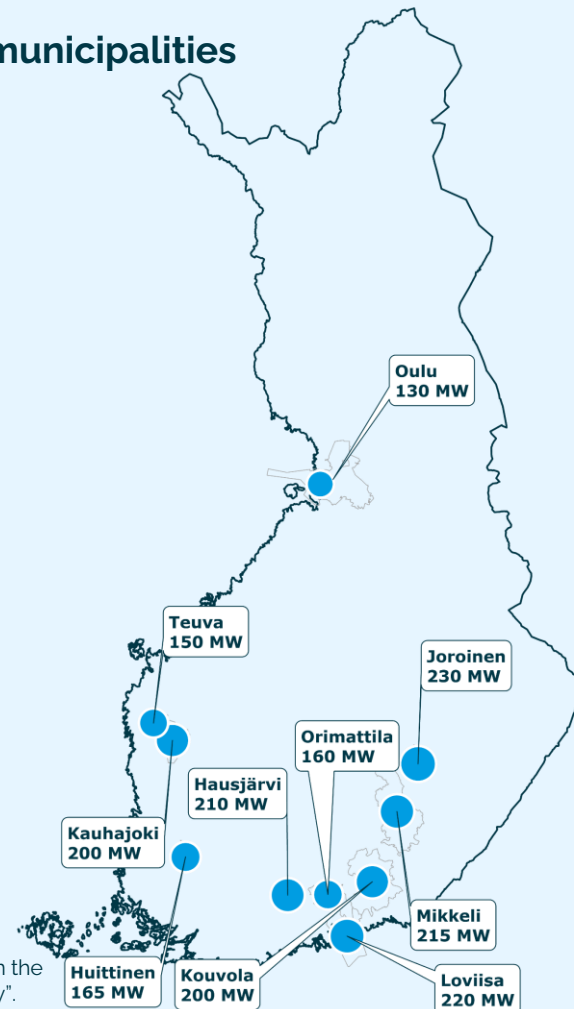
Hybrid projects (BESS+wind power) Cumulative capacity (MW) – top 10 municipalities

1. Isojoki – 350 MW
2. Halsua – 250 MW
3. Keitele – 200 (30) MW
4. Pihtipudas – 0 (200) MW
5. Pyhäjärvi – 190 MW
6. Kankaanpää – 150 MW
7. Karijoki – 0 (150) MW
8. Soini – 110 MW
9. 100 MW/ projects:
Toholampi, Kokkola, Utajärvi,
Ranua ja Ylitornio



Hybrid projects (BESS+solar PV) Cumulative capacity (MW) – top 10 municipalities

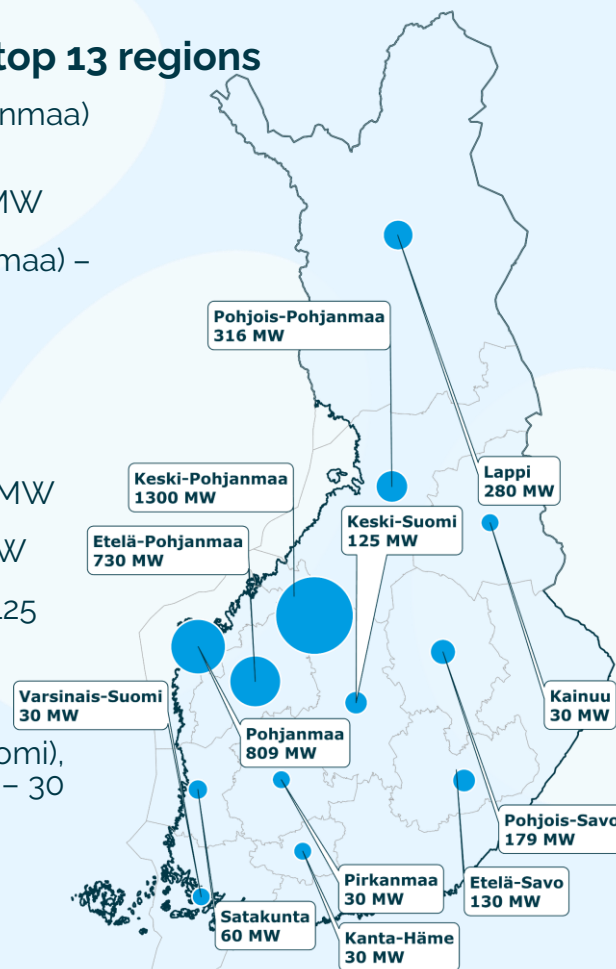
1. Joroinen – 230 MW
2. Loviisa – 220 MW
3. Mikkeli – 215 MW
4. Hausjärvi – 210 MW
5. Kauhajoki – 200 MW
6. Kouvola – 200 MW
7. Huittinen – 165 MW
8. Orimattila – 160 MW
9. Teuva – 150 MW
10. Oulu – 130 MW



BESS projects in regions

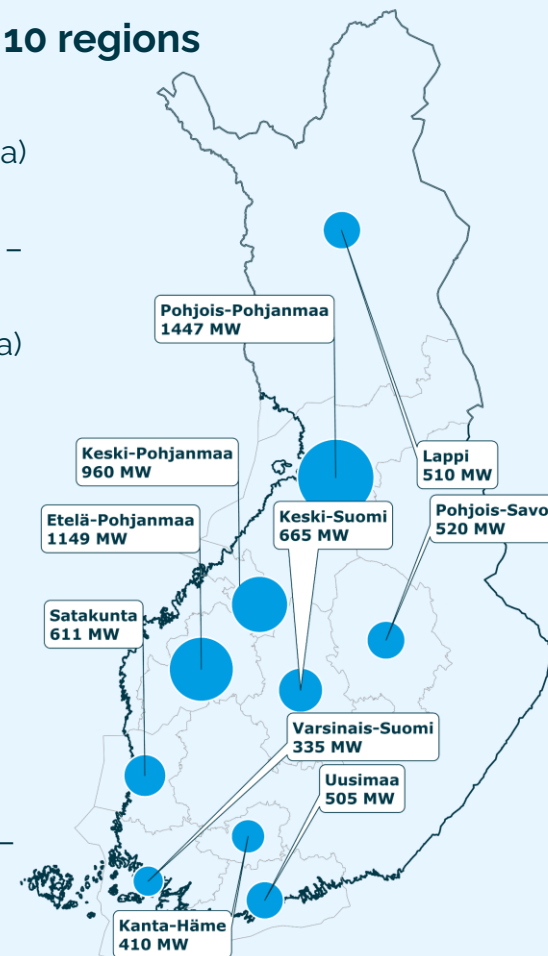
BESS, Stand-alone projects Cumulative capacity (MW) – top 13 regions

1. Central Ostrobothnia (Keski-Pohjanmaa) – 1300 MW
2. Ostrobothnia (Pohjanmaa) – 809 MW
3. South Ostrobothnia (Etelä-Pohjanmaa) – 730 MW
4. North Ostrobothnia (Pohjois-Pohjanmaa) – 316 MW
5. Lapland (Lappi) – 280 MW
6. North Savo (Pohjois-Savo) – 179 MW
7. South Savo (Etelä-Savo) – 130 MW
8. Central Finland (Keski-Suomi) – 125 MW
9. Satakunta – 60 MW
10. Southwest Finland (Varsinais-Suomi), Kanta-Häme, Kainuu, Pirkanmaa – 30 MW



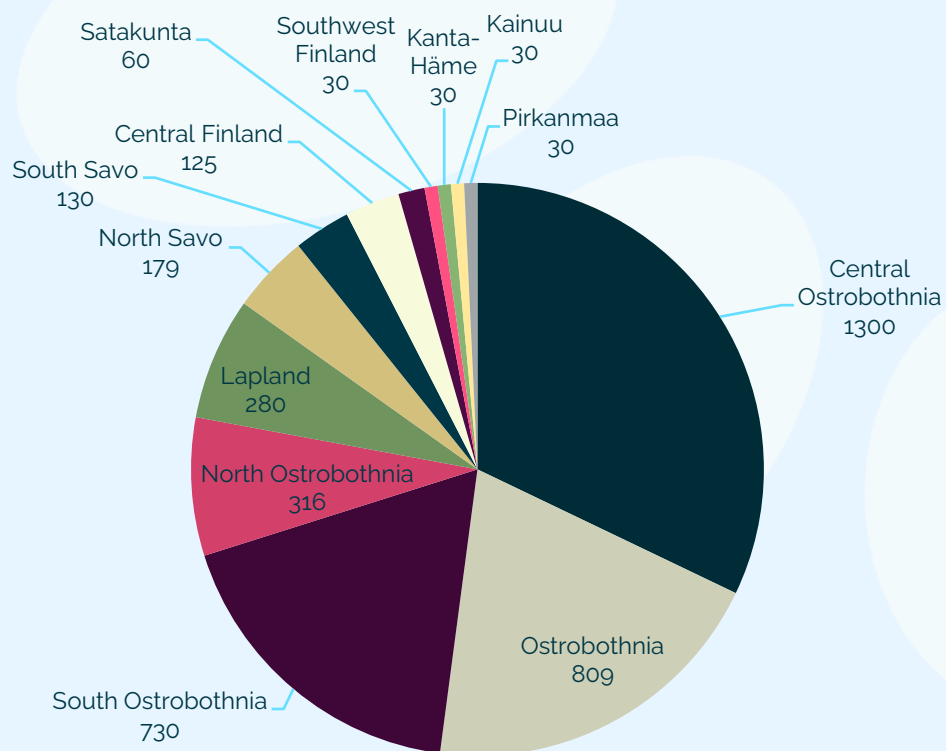
BESS, Hybrid projects Cumulative capacity (MW) – top 10 regions

1. North Ostrobothnia (Pohjois-Pohjanmaa) – 1 447 MW
2. South Ostrobothnia (Etelä-Pohjanmaa) – 1 149 MW
3. Central Ostrobothnia (Keski-Pohjanmaa) – 960 MW
4. Central Finland (Keski-Suomi) – 465 (200) MW
5. Satakunta – 611 MW
6. North Savo (Pohjois-Savo) – 520 MW
7. Lapland (Lappi) – 510 MW
8. Uusimaa – 445 (60) MW
9. Kanta-Häme – 410 MW
10. Southwest Finland (Varsinais-Suomi) – 335 MW

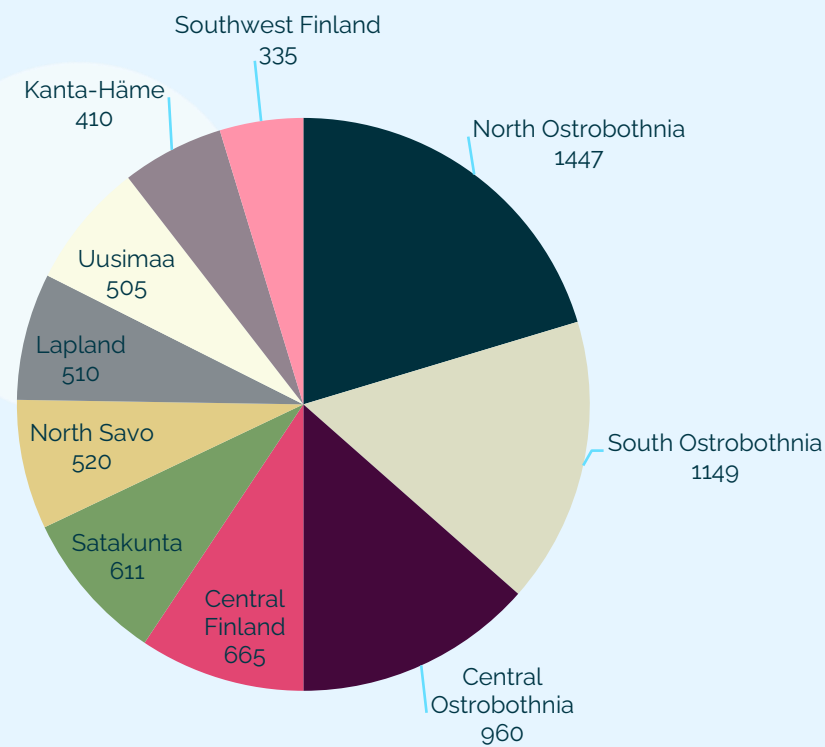


BESS projects in regions

BESS, Stand-alone
Total capacity (MW)



BESS, Hybrid
Total capacity (MW)

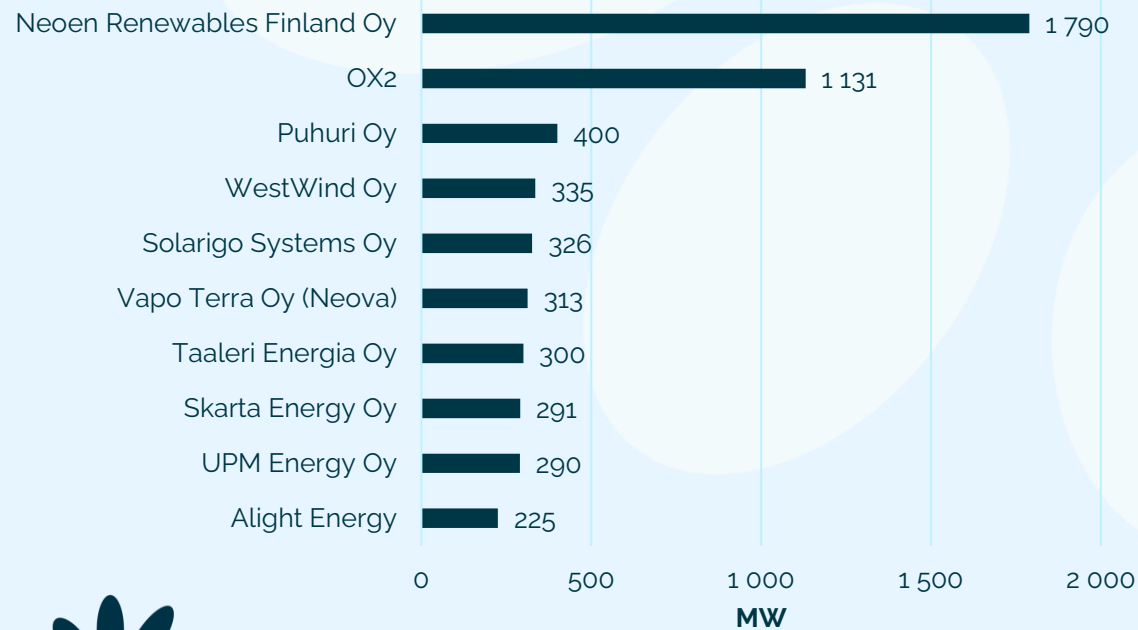


BESS project developers

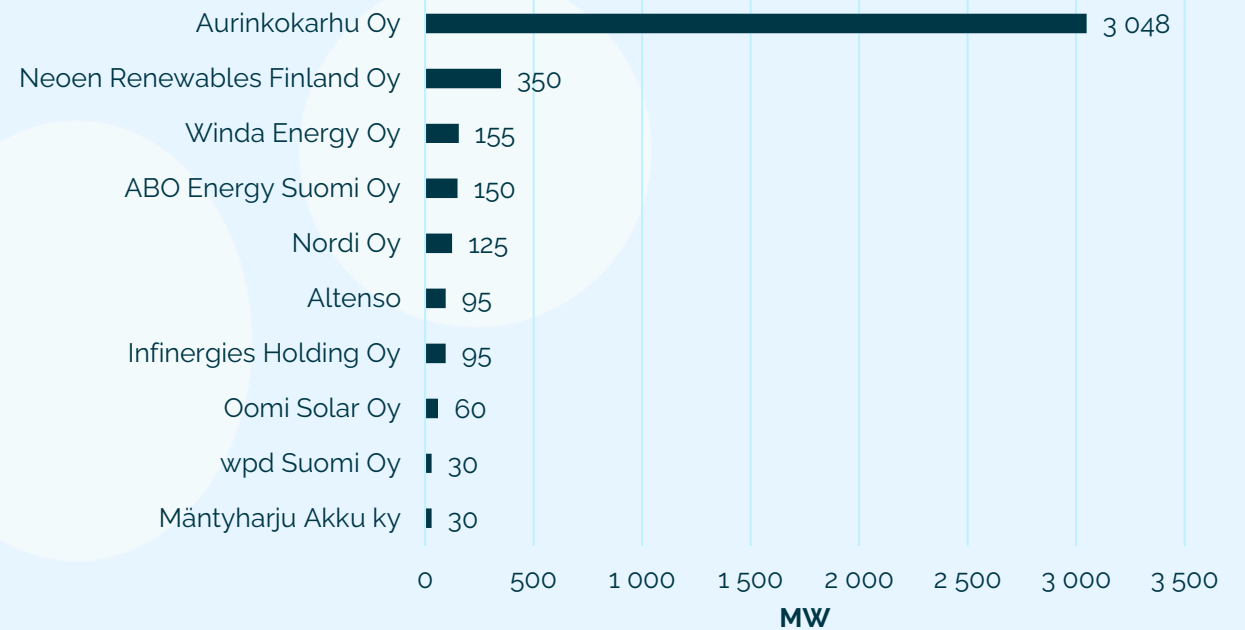


Top 10 developers: BESS projects' cumulative capacity (MW)

BESS, hybrid



BESS, stand-alone

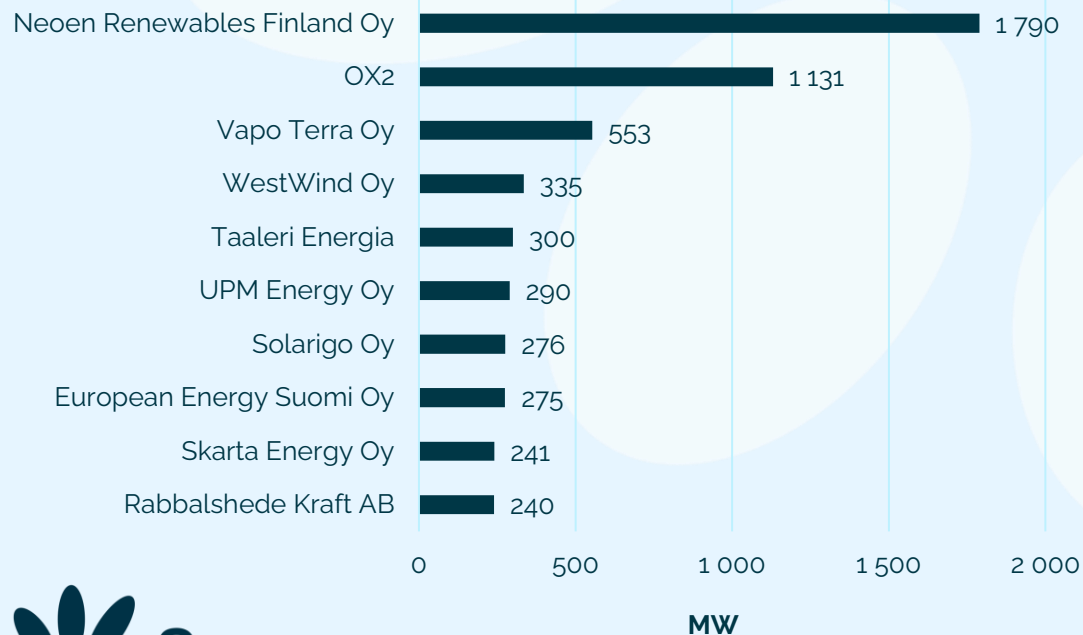


BESS development project owners

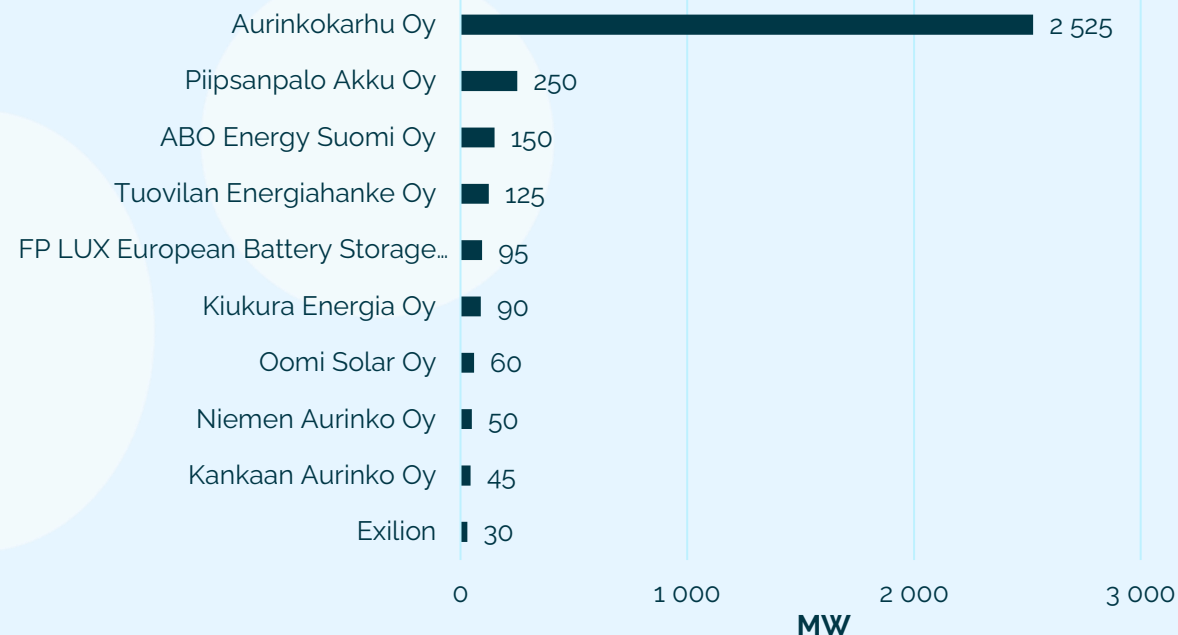


Top 10 owners: BESS projects' cumulative capacity (MW)

BESS, hybrid



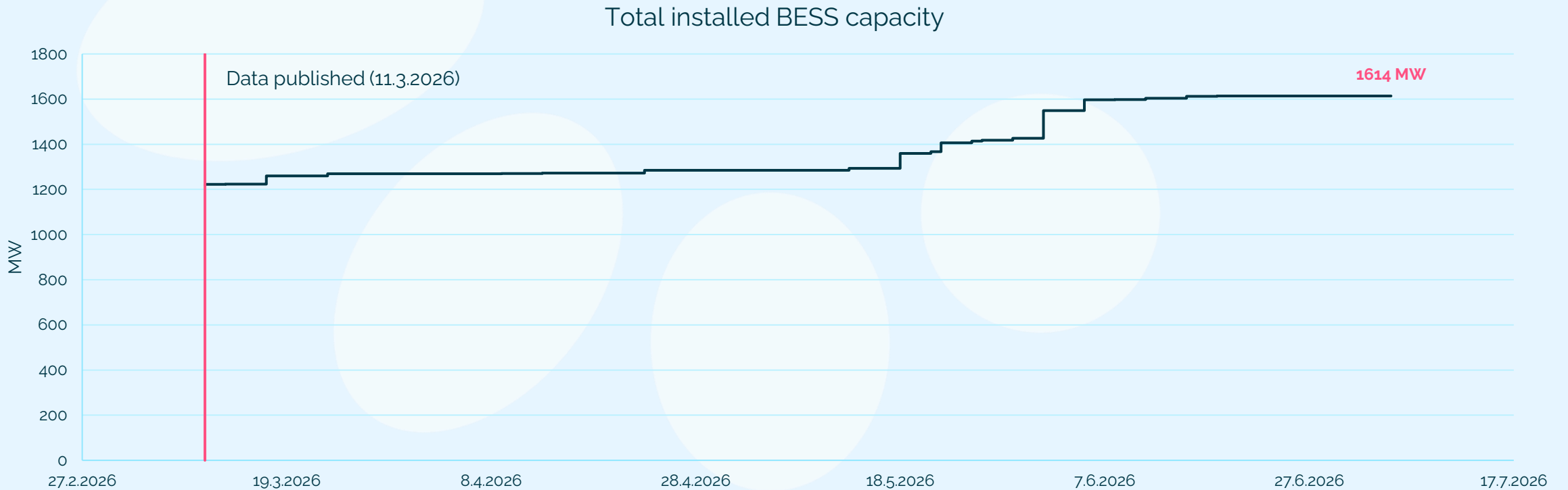
BESS, stand-alone



Total installed BESS capacity



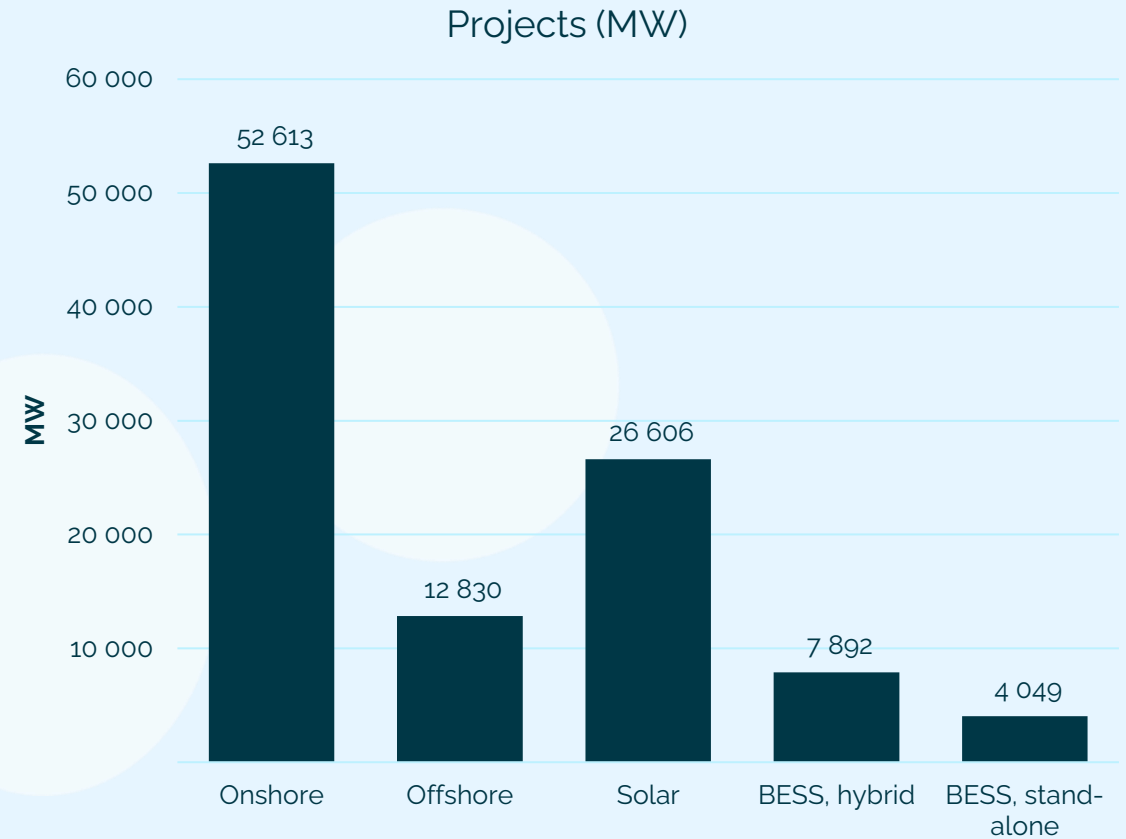
Total installed BESS capacity in Finland – evolution



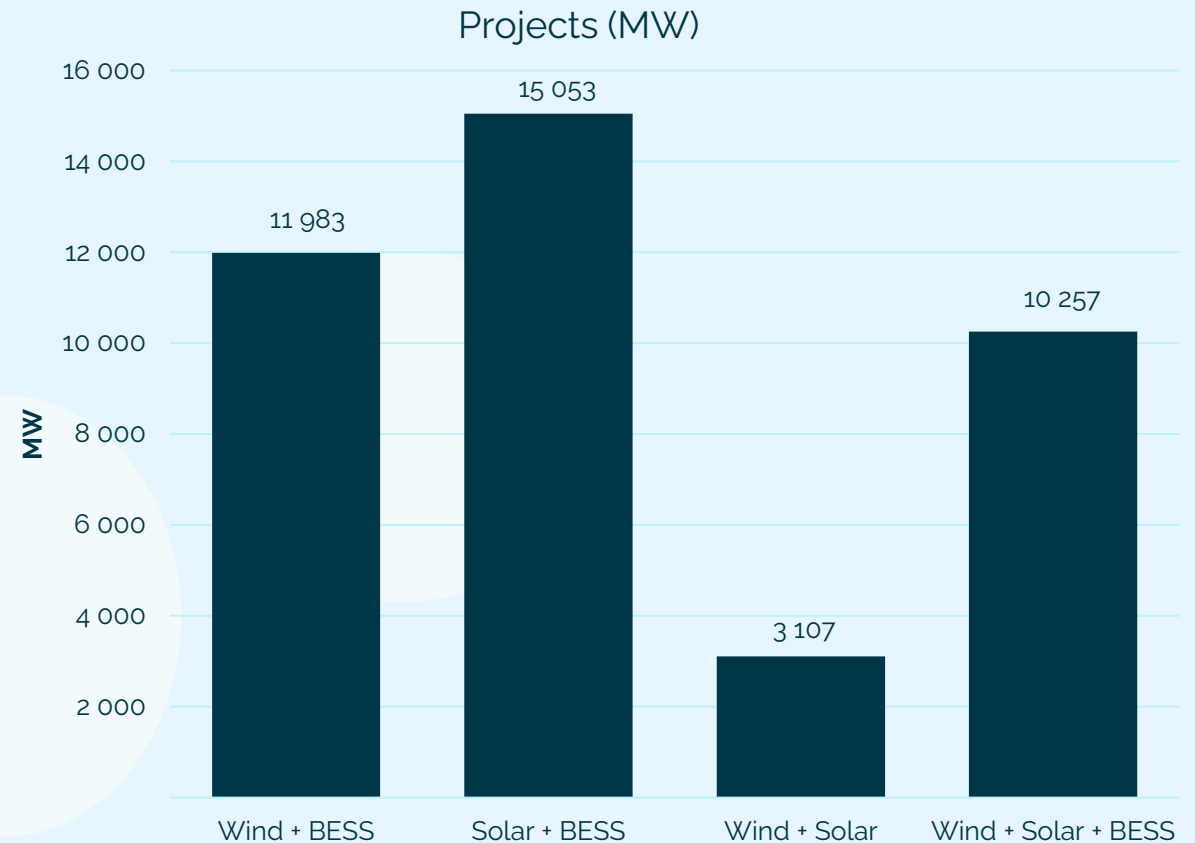
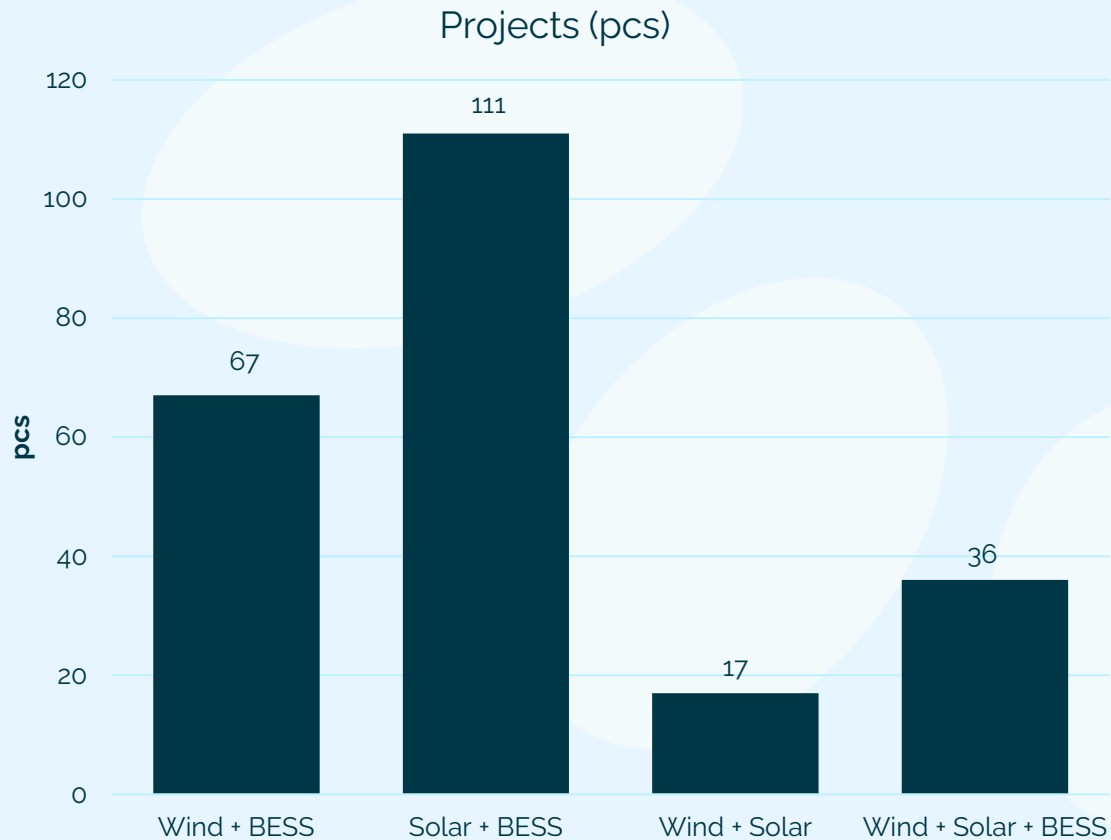
Hybrid projects in development



Renewable energy projects in Finland



Hybrid projects





Renewables Finland

renewablesfinland.fi