



Short Introduction

Zephyr Renewable AB

2024.05.23

About Zephyr



Start **2006** in Norway



Development, construction and operation of wind, solar and energy storage



800 MW of wind established, > **5 000** MW under development



66 wind turbines in operation



> **100** MW solar power in development



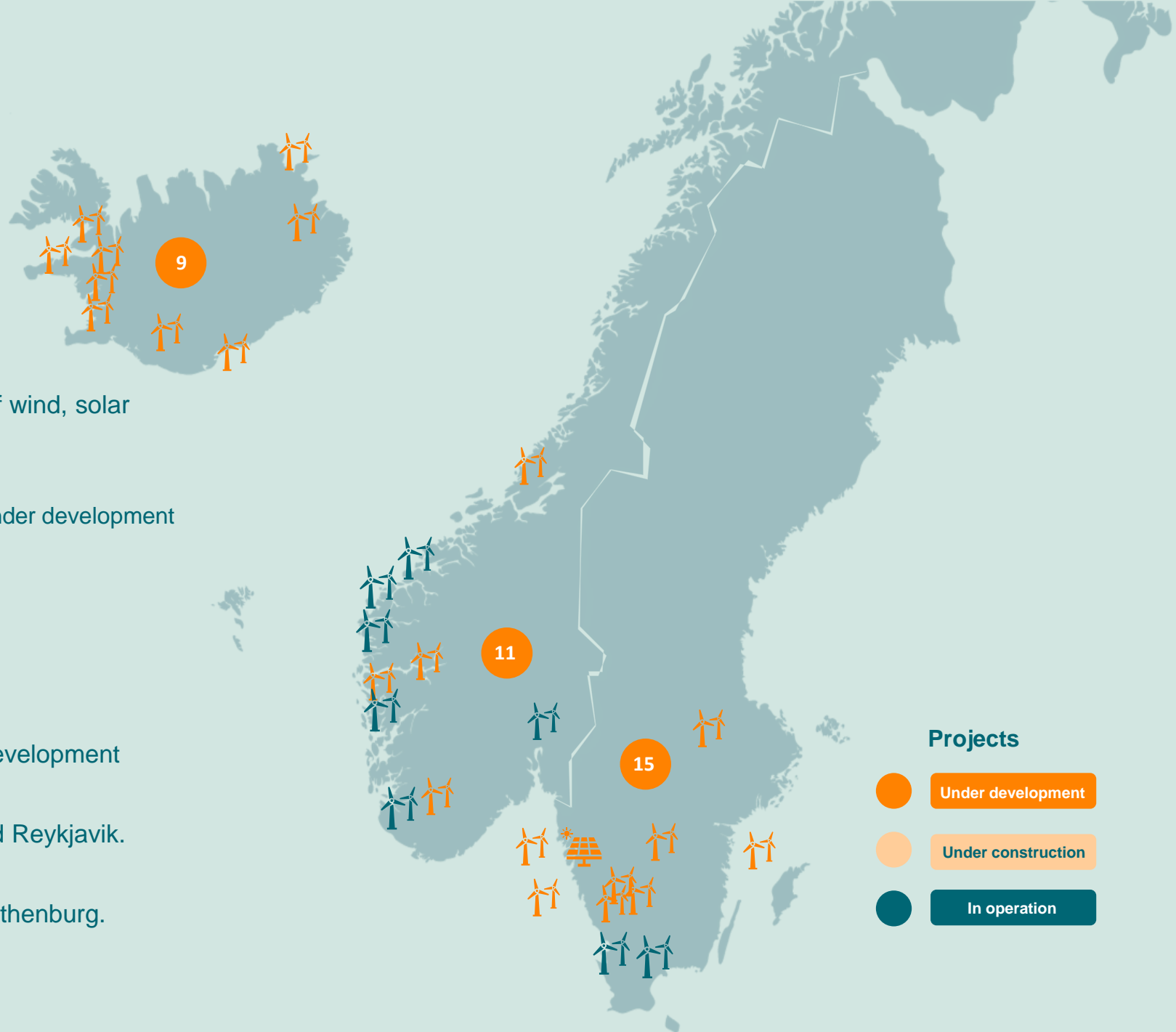
> **100** MW stand alone battery storage in development



Offices in Gothenburg, Oslo, Sarpsborg and Reykjavik.



30 employees in Sweden at the office in Gothenburg.



Owners



Zephyr is owned by the two public energy companies **Østfold Energi** and **Vardar**.



Our owners have long-term sustainable ambitions in renewable energy, started with hydropower as early as 1974.



Together they have a portfolio with annual production of renewable electricity exceeding **5 TWh**.

Ownership
shares



50%



50%

Wind Farms

Example of track record and assets in operation

Rögle (2016)



8 Turbines 23 MW 54 GWh

- ▶ Vardar has owned the park since 2016
- ▶ The wind turbine model is General Electric GE 2.85
- ▶ Located in the municipality of Helsingborg, SE4

Kiaby (2012)



3 Turbines 6 MW 19.5 GWh

- ▶ Vardar has owned the park since 2016
- ▶ The wind turbine model is Senvion Repower MM92
- ▶ Located in Kristianstad municipality, SE4

Mehuken (2001)



11 Turbines 25 MW 74 GWh

- ▶ Owned by Vardar and Østfold Energi
- ▶ Zephyr has operated this wind farm since 2008 and carried out repowering
- ▶ The wind park is in one of the windiest areas in Norway, where wind speeds have been measured up to 80 m/s

Haram (2021)



8 Turbines 34 MW 113 GWh

- ▶ Zephyr has developed the project and carried out the construction of the wind farm
- ▶ Zephyr sold Haram to Taaleri
- ▶ This project is operated by Zephyr

Tellenes Vindpark AS (2017)



50 Turbines 168 MW 550 GWh

- ▶ Zephyr developed the project together with Norsk Vind Energi and were responsible for the construction
- ▶ Zephyr sold the project to Blackrock and secured a PPA with Google
- ▶ The project is now operated by Arise

Guleslettene (2021)



47 Turbines 197 MW 700 GWh

- ▶ Zephyr developed the project together with Norsk Grønn Kraft and was also responsible for the construction
- ▶ Zephyr sold the project to Blackrock and secured a PPA with Alcoa
- ▶ The project is operated by Zephyr

Wind projects - Offshore

Overview



Vidar

- 📍 Norra Skagerrak (SEZ)
- 🔧 Under development
- ⚡ Capacity 1400 MW
- 🏗️ AEP – approx. 5500 GWh
- 🌬️ 66 – 91 turbines



Poseidon

- 📍 Södra Skagerrak (SEZ)
- 🔧 Under development
- ⚡ Capacity 1400 MW
- 🏗️ AEP – Approx. 5500 GWh
- 🌬️ 61 – 94 turbines



Kapheira

- 📍 Östersjön (SEZ)
- 🔧 Under development
- ⚡ Capacity 2700 MW
- 🏗️ AEP – Approx. 9500 GWh
- 🌬️ Max 143 turbines



Wind projects - Onshore

Overview



Björnamossen

Askersund municipality
72 MW capacity

Yearly production ~ 240 GWh
12 turbines

Uvberget

Smedjebacken municipality
72 MW capacity

Yearly production ~ 225 GWh
9 turbines

Bergaskogen

Vårgårda municipality
18 MW capacity

Yearly production ~ 60 GWh
3 turbines

Ommaberget

Tranemo municipality
24 MW capacity

Yearly production ~ 80 GWh
4 turbines

Våssberg

Borås municipality
24 MW capacity

Yearly production ~ 80 GWh
4 turbines

Mogård

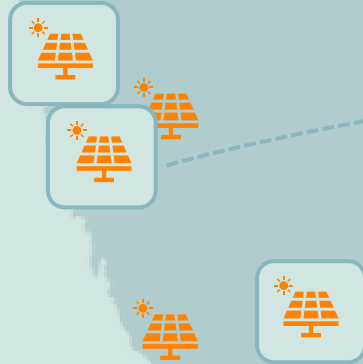
Hylte municipality
64 MW capacity

Yearly production ~ 200 GWh
8 turbines






Solar projects

Overview

 Under development








Lågum

-  Dingle, Munkedal municipality
-  Under development
-  10 MW capacity
-  Yearly production ~ 10 GWh
-  ~ 17 200 panels








Presstorp

-  Presstorp, Stenungsund municipality
-  Under development
-  5 MW capacity
-  Yearly production ~ 5 GWh
-  ~ 12 000 panels



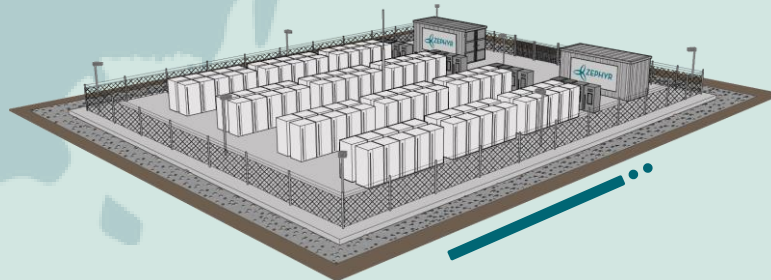
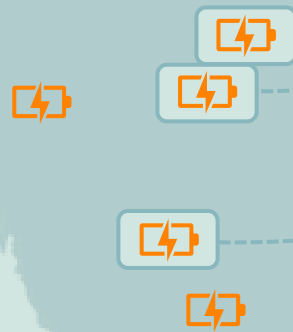
Hjortsjö

-  Rydaholm, Värnamo municipality
-  Under development
-  17 MW capacity
-  Yearly production ~ 16 GWh
-  ~ 34 000 panels



Battery storage projects

Overview



Under utveckling

Acklinga

- 📍 Tidaholms municipality
- 🔧 Under development
- ⚡ 40 MW capacity



Laxå

- 📍 Laxå municipality
- 🔧 Under development
- ⚡ 40 MW capacity



Ljungnäs

- 📍 Tranemo municipality
- 🔧 Under utveckling
- ⚡ Effekt 40 MW



Battery Storage

- ▶ Zephyr intends to build battery storage facilities to meet the growing need for support services and remedial measures in the Swedish electricity grid.
- ▶ Energy storage will play an important role in Sweden's future energy system if the goal of 100% fossil-free electricity production by 2045 is to become a reality.

Thanks for your attention!

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