



TRAF 2025-2026

Competencies with great synergies -
boosting solutions development and
commercialization

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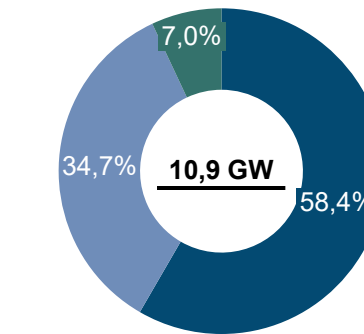
20.11.2025

Global offshore wind power capacity reached 68 - 75 GW in 2023, with China representing the majority



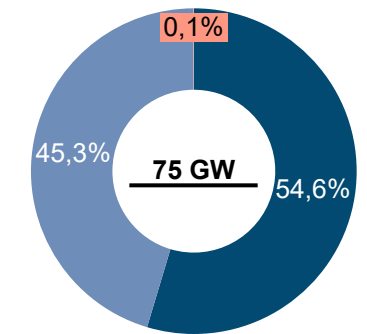
- 10,9 GW of offshore wind power was installed globally in 2023. Around 58 % of the installations, or 6,3 GW, were located in China. 3,8 GW of offshore wind was installed in Europe in 2023 [\[1\]](#). In 2024, the installed capacity in Europe grew by 2,6 GW to 36,7 GW, while the global capacity increased by 7,7 GW [\[2\]](#), [\[3\]](#).
- The offshore wind market has faced headwinds since the previous peak of new installations in 2021. 2023 was a difficult year for offshore wind with surging costs, supply chain issues, project delays, and cancellations. The geopolitical and economic uncertainties remain significant issues in the global offshore market.
- While the European offshore wind market has experienced setbacks, China has grown into a global leader in offshore wind power with 38 GW of installed capacity in 2023, representing the majority of the global offshore wind capacity. Europe is the second largest offshore wind market with 34 GW of installed offshore wind capacity in 2023.
- In 2025, the offshore wind market is expected to add 19 GW of new offshore wind capacity, with 65 % of new installations located in China. Europe is expected to see around 4,9 GW of new offshore wind capacity added in 2025 [\[3\]](#).

Global offshore wind installations in 2023



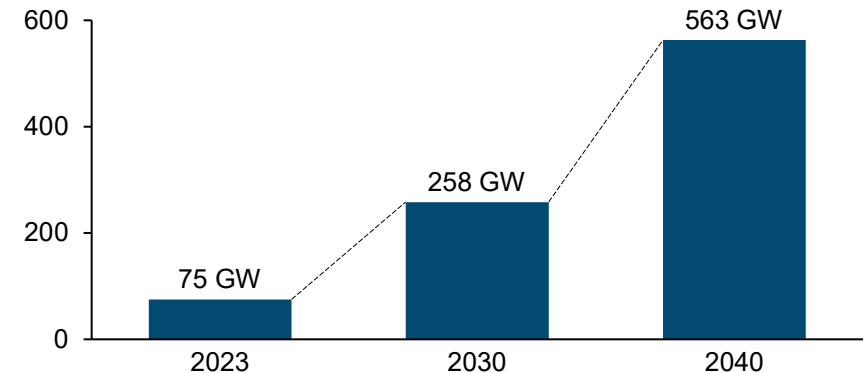
China
Europe
Rest of APAC

Global total installed offshore wind capacity, 2023



Asia
Europe
North America

Forecasted global offshore wind capacity (GW)



Team Renewable Arctic Finland 2025–2026

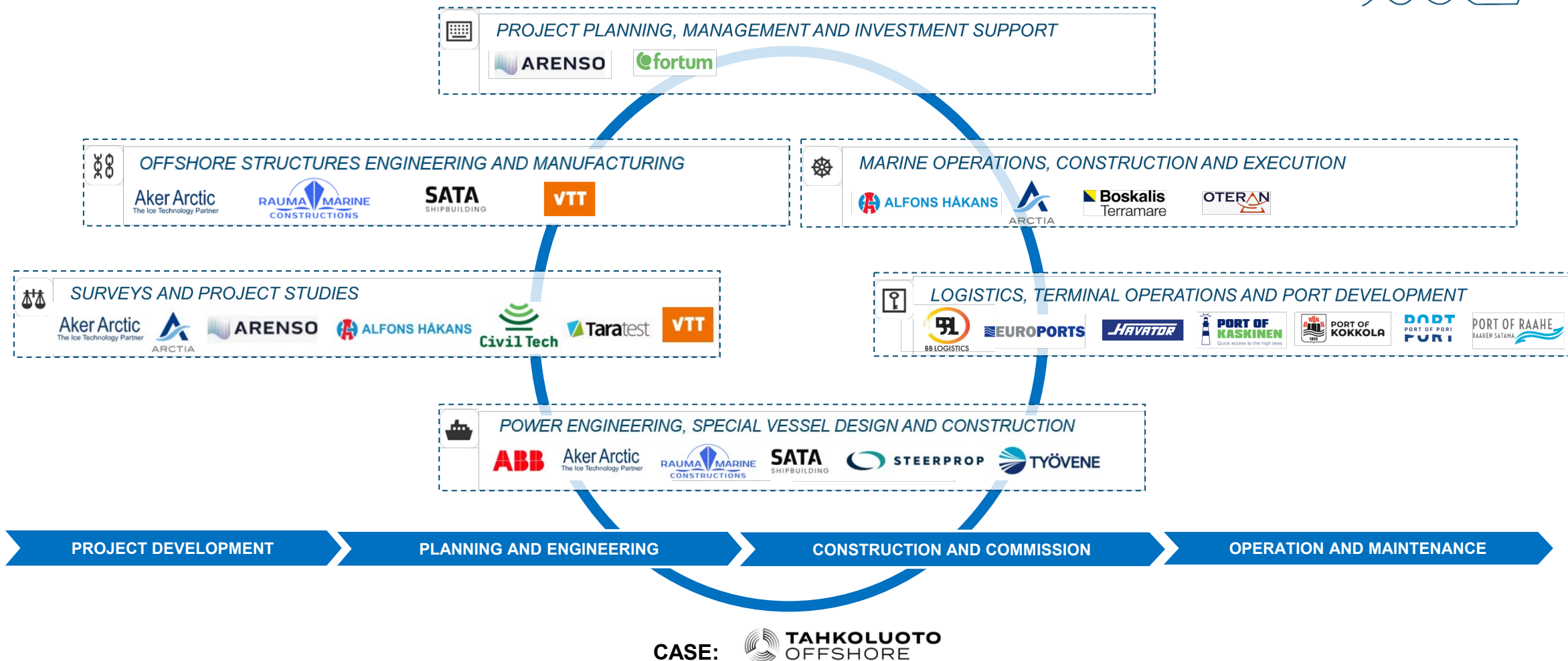
- competencies with great synergies



- offshore wind planning, construction and operation support
- special vessel design, construction, technologies and operations



Solutions development and promotion in offering portfolios



Our customer promise



01 More value with less management efforts with special ice expertise



- One contact point
- Access to all relevant players in Finland in one shot
- Knowledge on specific maritime circumstances, e.g. icing conditions in the Baltic Sea

02 Market-based implementation of offshore wind power, special vessels and related technologies



- Maximum value and efficiency with integrated, optimized (OPEX, CAPEX) and innovative solutions
- Optimized solutions with concrete total cost reduction opportunities

03 Innovation power with reduced design time promoting renewables



- Broad spectrum of competencies with great synergies
- Innovative concept development
- Boosting green transition and renewables

04 Reducing the environmental impact throughout the value chain



- Sustainable life-cycle solutions
- Environmentally conscious installation techniques
- Low emission solutions

Team Renewable Arctic Finland (TRAF) in a nutshell

TRAF promotes renewable energy, boosts business development, commercialization, and sales of member companies' synergistic offering and initiatives for **large-scale renewable energy investments, low-carbon marine solutions, vessels and fleet, marine operations, offshore solutions and logistics**, for maximizing the value for climate, sustainability and customers.



Combining the offerings and cooperative promotion and sales TRAF has synergy and more power together to reach large-scale projects' decision makers in business and on political levels, to get valuable insights on large investments' business potential, contents, requirements, schedules, needs and preconditions prior to the final tendering processes.

TRAF tasks:

- Scoping and executing market studies
- Facilitating concept and joint offering development
- Planning and executing international business delegation trips, excursions and business cooperation
- Developing investment and business environment in the offshore wind and related special vessel sectors



TRAF ecosystem brings together all relevant players for creating a competitive offshore domain expertise



Offshore Energy Systems: Planning & Engineering & Construction & Operations Support

Foundation Concepts

Ville Kirjonen

Project Manager

ville.kirjonen@traf.fi

+358 40 044 2109

Logistics Solutions

Pekka Pokela

Project Director

pekka.pokela@traf.fi

+358 40 544 1582

Marine Services and Operations Development

Mikko Niini

Senior Advisor

mikko.niini@kolumbus.fi

+358 40 032 2747