



Suomen Hyötytuuli Oy

Tahkoluoto Offshore Windfarm Extension Project

The 4th of May 2023, Musiikkitalo Helsinki

Manu Grönlund – Project Director

Tahkoluoto

HYÖTY
TUULI®



Wind turbines
1 + 10



Surface area
6 km²



Tip height
130 / 155 m



Total capacity
2,3 + 42 MW



Annual production
157 GWh



Tahkoluoto and its Extension Project



Wind turbines
1 + 10



Surface area
6 km²



Wind turbines
40



Surface area
128 km²



Tip height
130 / 155 m



Total capacity
2,3 + 42 MW



Tip height
310 m



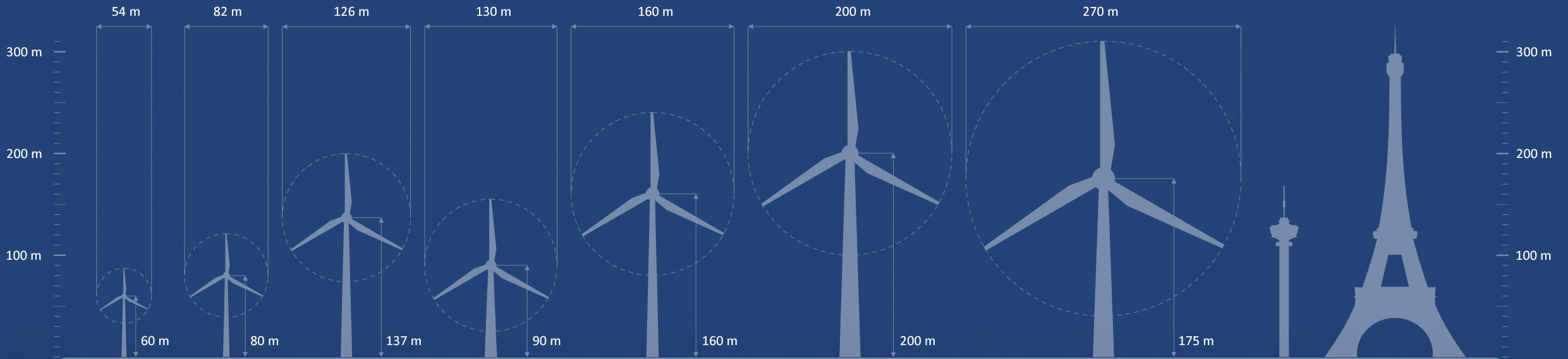
Total capacity
500-700 MW



Annual production
157 GWh



Annual production
1800-2600 GWh



1999
1 MW

Reposaari

2002, 2004, 2010
2, 3 MW

Olaus Magnus,
Kuljunniemi
Tahkoluoto
offshore

2016, 2017
3, 4, 5 MW

Annankangas,
Nikkarinkaarto

2017
4, 2 MW

Tahkoluoto
offshore

2020-2024
6, 2 MW

Polusjärvi,
Oosinselkä,
Alajoki-Peuralinna

2025-
7-10 MW

New onshore
wind projects

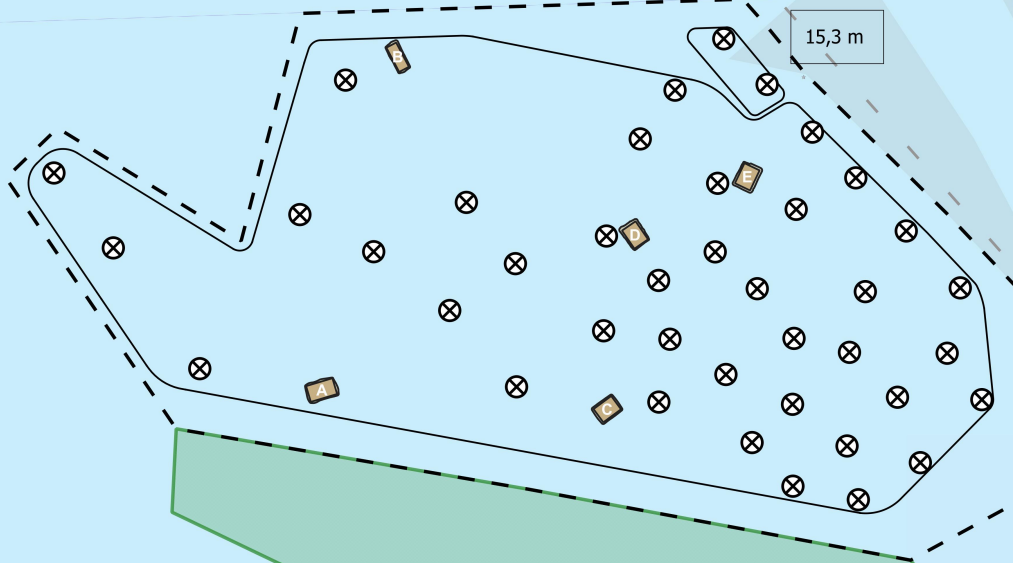
2025-
15-20 MW

New offshore
wind projects

**HYÖTY
TUULI®**



	Project area - Hankealue		Dumping areas - Läjitysalueet
	Turbine areas - Tv-alueet		Protected areas - Suojelualueet
	Turbine - Tuulivoimala		Natura 2000
	Fairways - Väyläalueet		Tahkoluoto OWF - Tahkoluodon merituulipuisto



- Foundations at Tahkoluoto are installed to 15 – 45 metres water depth
- The foundations are approx. 70 metres high

10,0 m

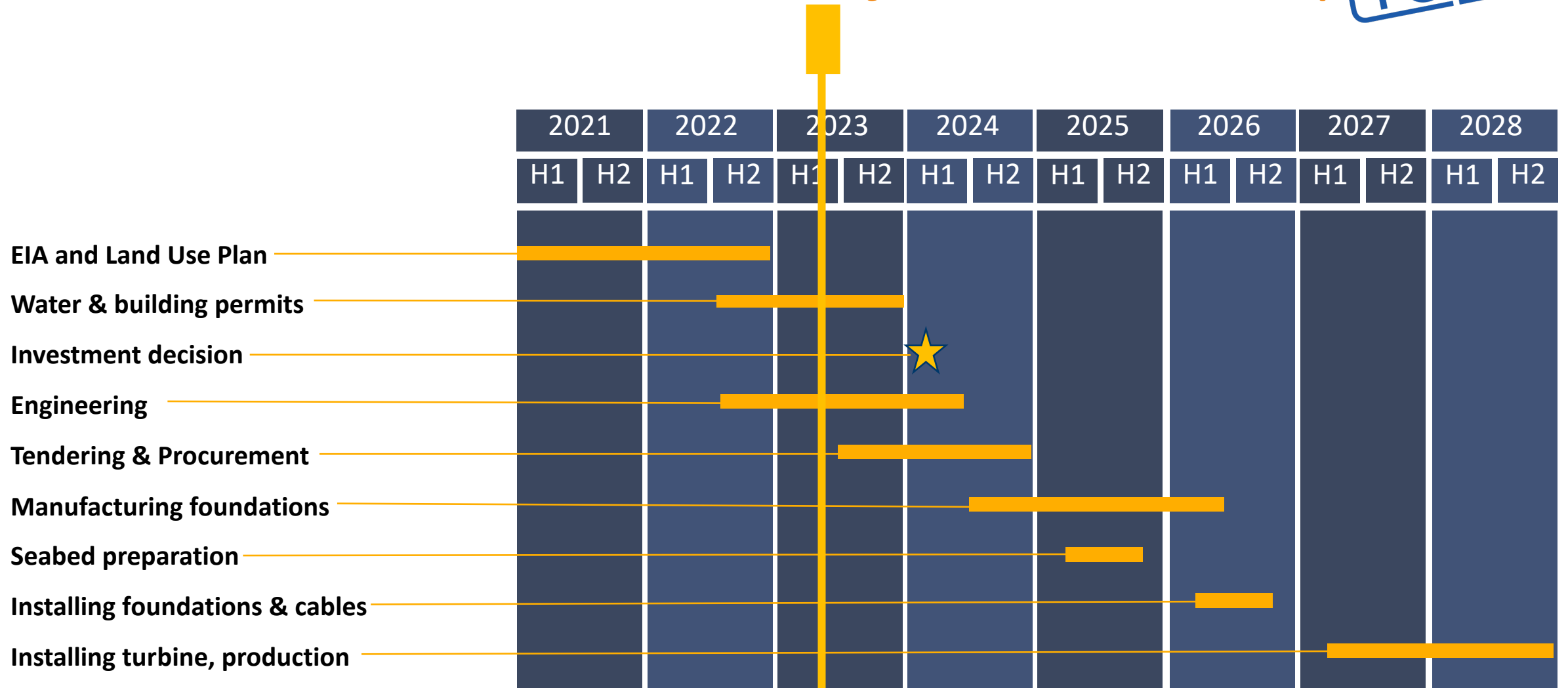
6,5 m

12,0 m

Tahkoluoto Extension Project



Tahkoluoto Extension Project - Roadmap



Current activities

- Preparation for Demo 2 project execution phase
- Water permit application issued 27.4.2023
- FEED for foundations in preparation
- Marine operations planning and vessels evaluation



Seabed survey and
sample drilling of
all turbine locations
going on with two
drills 24/7

Picture from
Wednesday
26.4.2023



100.130 m

Tahkoluoto Extension Project – The challenge



Leading the way in
offshore wind power
production
www.hyotytuuli.fi

