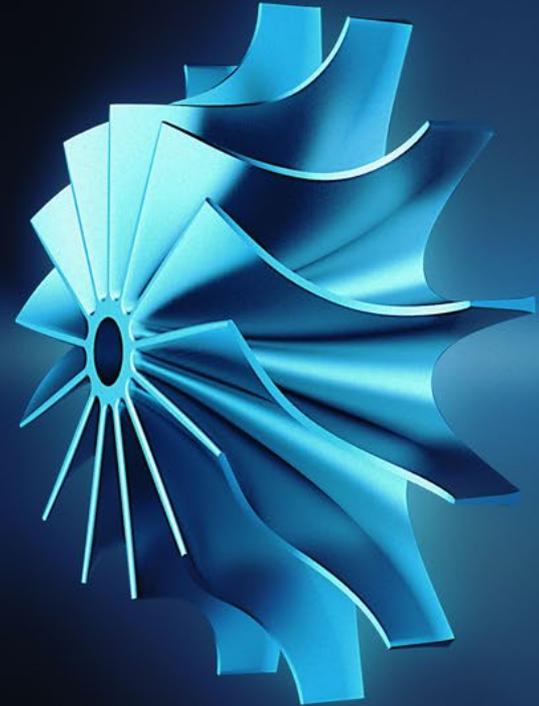


Aurelia Turbines

The most efficient small
gas turbines in the world

International startup
February 2021



What do we do?

We design build and sell high-efficiency gas turbines.

We provide a complete package for power and heat generation.

Our turbines can utilise a variety of fuels from Hydrogen to standard fuels.

Our turbines have high levels of efficiency, at a market leading 40%

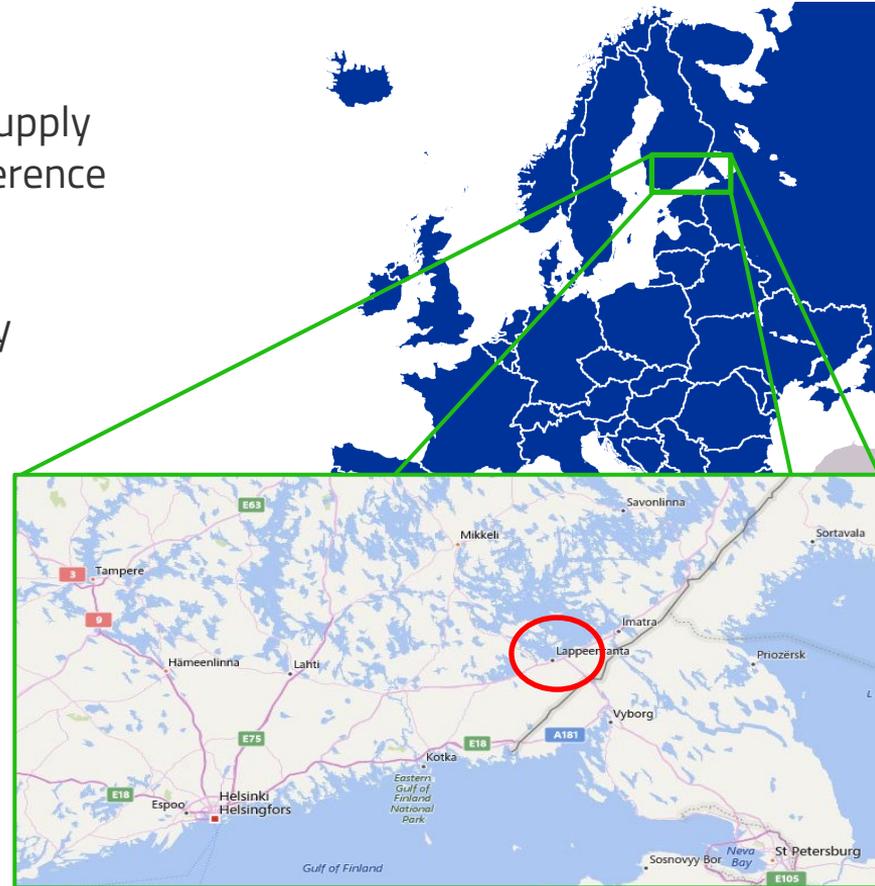
Our turbines target the SME customer which lack options for efficient CHP solutions



Production Facility, Lappeenranta, Finland



- 2000 m²
- Gas & electric supply
- Office and conference
- Ample parking
- Goods Inwards
- Outside test bay



How did we become international?

Berlin, Germany

- I have been living there since 2007

UK

- “Old friends”

UCLA, USA

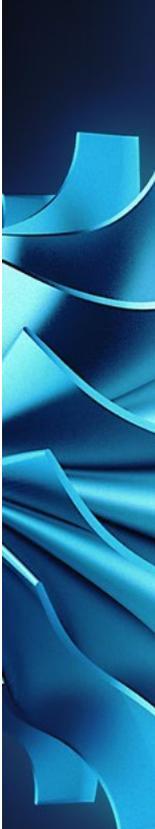
- Global Access Program / Business
Finland

EU – projects

- H2020 (Now EIC)

Open minds

- Most important



EU Grant Funded Projects – Futurbine and Robinson

The Project: Futurbine

- Project proposed solely by Aurelia to EIC / H2020 program. Rich H₂ fuel gas from adjusted biogas plant, with a possible 35+ add-on deliveries.
- Total grant to be received 2.2 M€
- Site location at Vechta, near Hannover/Bremen, Germany.
- Initial project end 31.8.2021 (will be extended due to COVID-19)

Commissioning & Operation

- Site is available to receive the turbine before summer

High visibility project

The logo for Futurbine, featuring the word "Futurbine" in a stylized, blue, sans-serif font. The letter 'u' is unique, with a white diagonal line passing through it.

The Project: Robinson

- Project established and managed by European Turbine Network (<https://etn.global/>) and is a collaboration of 12 companies
- The main mission is to develop an integrated energy system tailored to islands with industrial activities coupling locally available energy sources, electrical and thermal networks and innovative storage technologies, and to demonstrate it on the island of Eigerøy, Norway.
- Aurelia was selected as a sole turbine provider and will demonstrate the A400 running on syngas, bio-methane and H₂ mix up to 30%.

The logo for Robinson, featuring the word "Robinson" in a blue, sans-serif font. The letter 'i' is replaced by a stylized lighthouse icon. Below the text is a green and blue wave graphic.

First German commercial project

Uniper & DLR promoted projects

- #1: UNIPER (ex E.ON) Huntorf site, near Bremen, northern Germany
 - 321 MWe operational power generation site – permitting ‘simple’
 - 20 Bar natural gas available-grid connected configuration
 - No CHP but can ‘sell’ power generated for revenue
 - Site received a “go” from the management – detailed delivery discussions on-going
 - Management willing to operate A400 for 12-24 months, then
- #2: UNIPER Wilhemshaven site, 70km from Huntorf
 - Electrolyser being installed in 2021
 - Producing H₂
 - A400 either converted or new to operate on Hydrogen
 - Use DLR-H2020 developed combustor
 - Application-Filling station for H₂ vehicles



Thank you!



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