

## Your partner in green e-fuel projects

*Flexens is a project development company and investor specialised in flexible and low-emission energy solutions. One of the focus areas for the company is maritime sector, for which electrification and e-fuel technologies will be developed rapidly to enable replacement of fossil oil. Flexens is your partner to accelerate transition to zero emission maritime and port operations through expertise in technical project development and preparation of investments.*



Wind &  
solar power

Hydrogen  
production

E-fuels  
(optional)

Logistics

Maritime use  
& delivery

### ZERO-EMISSION PORTS

Today, global logistics are dependent on fossil oil and gas. To reduce CO<sub>2</sub> intensity, implementing zero-emission technologies in maritime and heavy-duty transport is about to start.

Flexens' zero-emission concept helps ports prepare for the green transition in the logistics sector. Electrification-based zero-emission energy operations such as on-shore power supply, green hydrogen supply, and recharging will be integral to future ports.

The zero-emission concept for ports prepares a long-term implementation plan and launches investments to execute the transition.

### ZERO-EMISSION FERRIES: THE POWER2AX PROJECT

Maritime traffic is one of the largest CO<sub>2</sub> emitters for island communities.

Flexens is preparing an investment in a 300-passenger fuel cell ferry powered by locally produced green hydrogen. The Power2AX project will be the first step towards zero-emission maritime traffic in the Åland archipelago.

A feasibility study for the Power2AX project was delivered in 2020. The goal is to operate both the fuel cell and local green hydrogen production from 2024-25.



**JIM HÄGGBLOM**

**Head of Transportation Solutions**

Jim.haggblom@flexens.com  
+358 40 13 01350

**Flexens Oy Ab**

**Åland Islands**

Itiden, Elverksgatan 10  
AX-22100 MARIEHAMN

**Helsinki**

Eteläranta 10  
FIN-00130 HELSINKI