

# YINSON PRODUCTION'S LOW-CARBON ENERGY INITIATIVES:

Shaping a More  
Sustainable Future

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## Our journey toward sustainability is one of continuous exploration, innovation and partnership.

At Yinson, we firmly believe in collaborating with partners to develop tailored solutions that not only enhance energy efficiency and reduce emissions, but also actively remove CO<sub>2</sub> from the atmosphere, setting a strong precedent for the industry.

As we navigate the ever-evolving landscape of the low-carbon economy, we are delighted to share some of the impactful initiatives we are currently working on.

### Offshore Post-Combustion Carbon Capture



We are on track to reach a remarkable milestone with the installation of the world's first offshore post-combustion CO<sub>2</sub> capture plant onboard our FPSO Agogo.

This unit captures CO<sub>2</sub> from gas turbine exhaust, thereby reducing the release of greenhouse gases that are warming our planet.

The plant is a prototype pilot-scale unit and is designed with scalability and future product development in mind. It serves as a demonstration unit in an offshore floating environment mainly to assess technical readiness and gain operational experience.

Yinson Production has also invested in Ionada PLC, with the aim of using their technology to deploy larger-scale carbon capture systems on future FPSO projects, as well as land-based small to mid-scale carbon capture opportunities.

### Green and Blue Ammonia Floating Production Units

Yinson Production is exploring technologies to support the energy transition, including those that contribute to the hydrogen economy.



The concept involves developing and operating offshore assets that use renewable energy or natural gas to produce environmentally friendly carbon-free or low-carbon products such as green and blue ammonia.

Green Ammonia, produced from 100% renewable sources, has undergone thorough concept evaluation and is set to transform the way renewable energy is stored and transported.

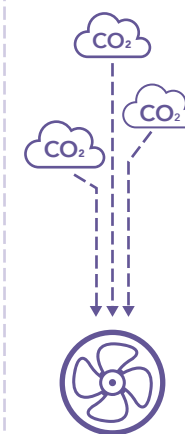
Blue ammonia, produced from natural gas with carbon capture and storage, or with solid carbon as by-product, is currently in the concept development stage.

### Direct Air Capture

We are collaborating on the development and deployment of megaton-scale Direct Air Capture projects for CO<sub>2</sub> storage, a first in our sector.

Direct Air Capture involves removing CO<sub>2</sub> directly from the atmosphere using an engineered technology, and permanently storing it so that it no longer contributes to global warming. The amount of CO<sub>2</sub> removed from the atmosphere could be used to generate carbon credits, providing an offset pathway for hard-to-abate industries.

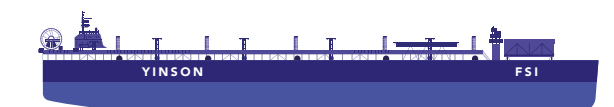
Yinson Production has invested in Carbon Removal AS, a Norwegian Direct Air Capture project development company. The goal is to develop and operate a portfolio of Direct Air Capture plants in Norway and around the world. Our first project, in Oygarden on Norway's west coast, aims to capture 500 kt of CO<sub>2</sub> per year from the air and permanently store it in offshore saline aquifers.



### Energy from Waste

Embracing innovative solutions, Yinson is exploring Energy from Biomass projects to harness renewable energy from discarded biomass materials.

These projects, combined with advanced technologies like Carbon Capture and Storage, are not only reducing landfill waste but also contributing to cleaner energy generation.



### Liquid CO<sub>2</sub> Floating Storage Injection

We are collaborating on the development and operation of potential carbon sequestration hubs to provide decarbonization services to cross-border regional customers. A carbon sequestration hub is an infrastructure that collects, transports, and stores carbon from various domestic and international sources.

Currently, we are addressing the techno-commercial feasibility of deploying an offshore liquid CO<sub>2</sub> Floating Storage and Injection vessel.

Once deployed, this unit will receive regular transfers of liquid CO<sub>2</sub> from shuttle carrier ships and store it before continuously injecting it into depleted offshore oil and gas wells or saline aquifers.