



FPSO AGOGO

LEADING THE WAY TO A ZERO EMISSIONS FPSO

FPSO Agogo, being built for Azule Energy's operated block 15/06 offshore Angola, will be Yinson Production first steps where all the main emission reduction technologies are implemented. It will be one of the greenest FPSO's ever built in the world.



WWW.YINSON.COM

OFFSHORE PROJECTS HEADQUARTERS

3 Church Street
#18-01 Samsung Hub
Singapore 049483

Tel: +65 6221 9855
Email: info@yinson.com

OFFSHORE OPERATIONS HEADQUARTERS

Olav Vs gate 5 0161 Oslo Norway	P.O. Box 1553 Vika 0117 Oslo Norway
---------------------------------------	---

Tel: +47 22 34 01 10
Email: enquiries.no@yinson.com



Technologies



Electrification

FPSO Agogo utilises VFDs for Main rotating equipment and cargo offloading pumps, providing numerous advantages. With fine process control and advanced regulation, VFDs ensure the most efficient allocation of resources when needed.



Hydrocarbon Blanketing in Cargo Tanks and Closed Flare

Revolutionize traditional FPSO designs by eliminating open flare systems and venting arrangements. A hydrocarbon blanketing system will be used as the main inert gas systems for the liquid hydrocarbon storage tanks. The Hydrocarbon blanketing gas is then recycled back to the Topside process for either export or re-injection, resulting in zero venting of hydrocarbon gas from the cargo tanks. The flare system will be connected to a flare gas recovery compressor that will result in zero routine flaring during normal operations. The safety is maintained by installing fast opening valve arrangements on the flare lines.



Combined Cycle Power Generator

Our Co-Generation system recovers thermal energy that would otherwise be wasted, generating both electricity and heat more efficiently than if produced separately. By using a gas turbine to drive an electrical power generator and recovering waste heat through a Heat Recovery Steam Generator (HRSG), we generate steam. This steam is then directed through a steam turbine to generate supplemental electricity. Our Co-Generation system offers one of the most energy-efficient configurations, reducing the need for fuel gas consumption onboard.



Carbon Capture

FPSO Agogo boasts a cutting-edge Carbon Capture pilot plant that captures CO2 from Gas Turbine Generators' flue gas, preventing its release into the atmosphere. Using enhanced sorbents for efficient CO2 capture, this technology offers a clean and eco-friendly solution for our environment.



Seawater Turbine Generator

In collaboration with Framo, we have partnered to equip FPSO Agogo with Hydroelectric Sea Water Turbines. As seawater is collected from onboard processes and subsequently discharged back into the sea, the kinetic energy of the moving water is cleverly utilized to operate the Sea Water Turbine Generator. This ingenious system generates additional electric power for the FPSO.

About Yinson Production

Yinson Production ("YP") is the offshore production business unit of Yinson Holdings Berhad ("Yinson", or "the Group"), a global energy infrastructure and technology company headquartered in Malaysia. The Group has businesses in offshore production, renewable energy, green technologies and offshore marine, and has presences in Asia, Europe, the Americas and Africa.

OUR MISSION

To be the preferred FPSO partner, leading the way with responsible solutions

OUR VISION

To design, construct, and operate industry-leading production assets for the offshore oil and gas industry towards improving global access to affordable energy

Yinson was established in 1983 as a transport agency in Johor Bahru. After successfully entering the FPSO market through a joint venture to build two offshore production assets in Vietnam, Yinson transformed to become a full-scale execution and service FPSO provider in 2014 through the acquisition of Fred Olsen Production ASA and subsequent divestment of its non-oil & gas business segments.

Today, YP is one of the largest independent floating, production, storage and offloading ("FPSO") leasing companies globally, with an orderbook of over USD22 billion until 2048. YP's position as a top tier FPSO contractor is driven by its excellent project management team, industry-leading safety and uptime performance and leadership position in sustainable FPSO design.

YP's Zero Emission FPSO Concept is paving the way for the decarbonisation of the FPSO industry and aligns with the Group's Climate Goals to be **carbon neutral by 2030 and net zero by 2050**.

Our Global Presence

