

With an investment of US\$ 1.2 billion, the objective is to obtain the first oil with the new FPSO in 2024

On March 14, 2022, the FPSO Atlanta docked at the DryDocks World shipyard, in Dubai (United Arab Emirates). This was one of the main milestones in the Full Field Development (FFD) project at the Atlanta Field, an asset we have operated and in which we have been producing oil since 2018. With an approved CAPEX of R\$ 1.2 billion (with R\$ 1.1 billion disbursed up to 1st oil), the FFD will increase the Field's production capacity to up to 50 thousand barrels per day and provide a more efficient performance in relation to the intensity of CO2 emissions with even more operational safety.

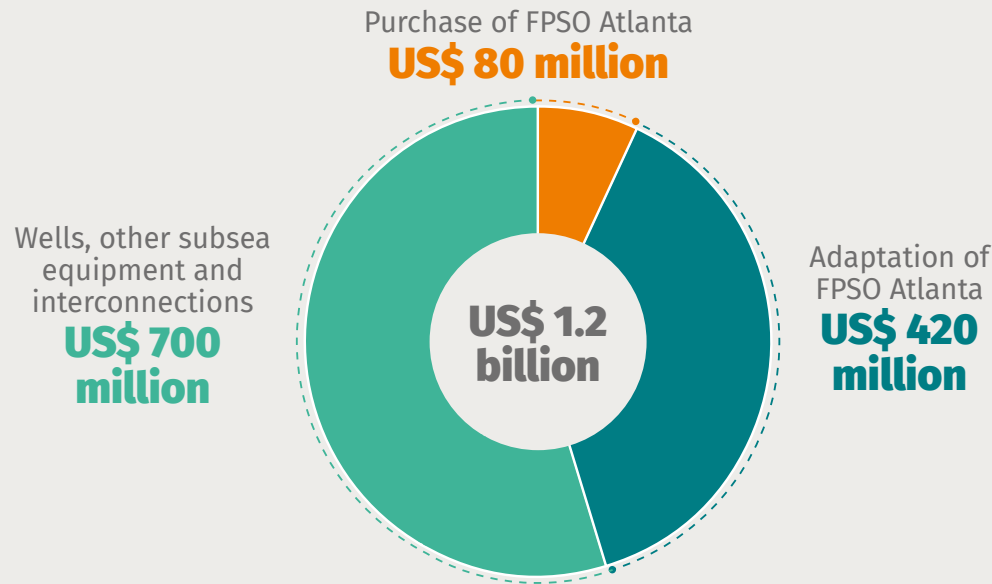
The start of FFD production is scheduled for mid-2024. Thereby, a series of activities are being planned and carried out from the beginning of 2022.

The renovation and adaptation of the new FPSO Atlanta is one of them. The vessel conversion is carried out by Yinson, one of the world's largest companies in the construction and operation of assets for offshore oil and gas production. The work will be carried out over a period of approximately 18 months, until October 2023, when the unit will start sailing to the Brazilian coast.

## Kickstart for the Full Field Development at Atlanta Field



## FFD CAPEX distribution in Atlanta



**US\$ 400 million**  
 disbursed until  
 December 2022

**+ 90%**  
 of equipment  
 and services already  
 contracted

## Equipment and new wells

In addition to this phase, we have been working in parallel, together with several suppliers, on engineering projects, acquisition, manufacture and installation of other vital equipment for the FFD – such as wet Christmas trees, pumps and SURF systems (Subsea Umbilicals, Risers and Flowlines).

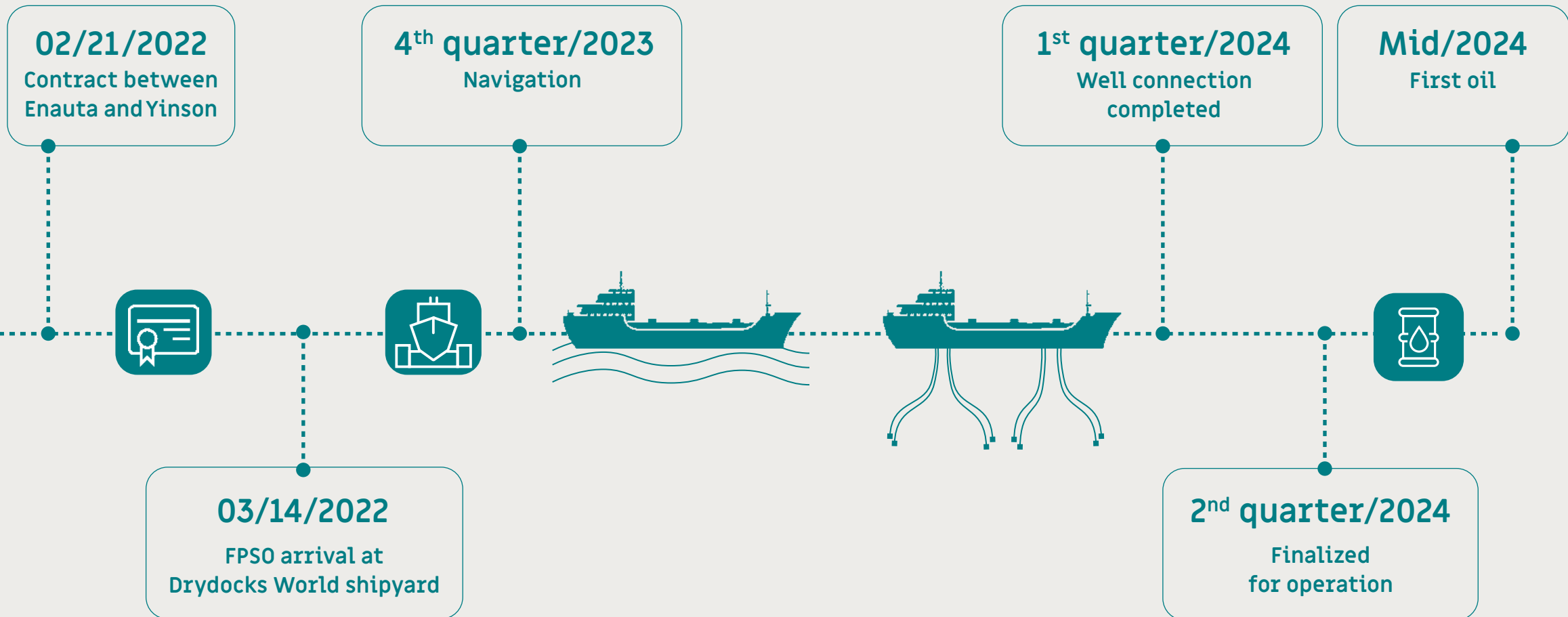
We contracted the Alpha Star rig to drill and complete three new wells, which will integrate the FFD along with the three existing ones. Services began to be performed in November 2022 and the drilling of the first well, 7-ATL-5H-RJS, was completed in January 2023. After the completion phase, the new well will be connected to FPSO Petrojarl I, for the start of production.

The drilling campaign for the other two wells (7-ATL-6H-RJS and 7-ATL-7H-RJS) will be completed by mid-2023, pending the arrival of FPSO Atlanta to start production.

The FFD wells will be operated without the well-in pump, currently in use in the Atlanta Field, in the EPS wells. One of the main advantages of the innovation is the longer maintenance interval – an average of ten years, against two. With the pumps placed only on the seabed, interventions can be carried out by vessels that are simpler than the probes currently required.

## Project schedule

The adaptation of the FPSO Atlanta includes innovative technologies and solutions to improve energy efficiency, reduce the intensity of CO<sub>2</sub> emissions and increase the capacity for treating produced water and effluents.





### EARLY PRODUCTION SYSTEM (EPS)

#### FPSO Petrojarl I

30 thousand bbl/day of oil production capacity

3 connected wells

1<sup>st</sup> oil in May 2018

180 thousand bbl of storage capacity

### FULL FIELD DEVELOPMENT (FFD)

#### FPSO Atlanta

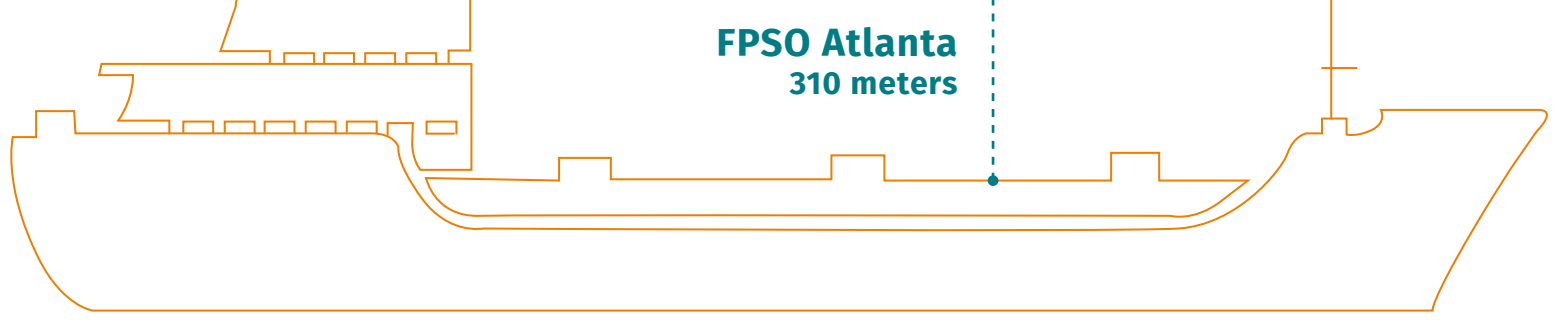
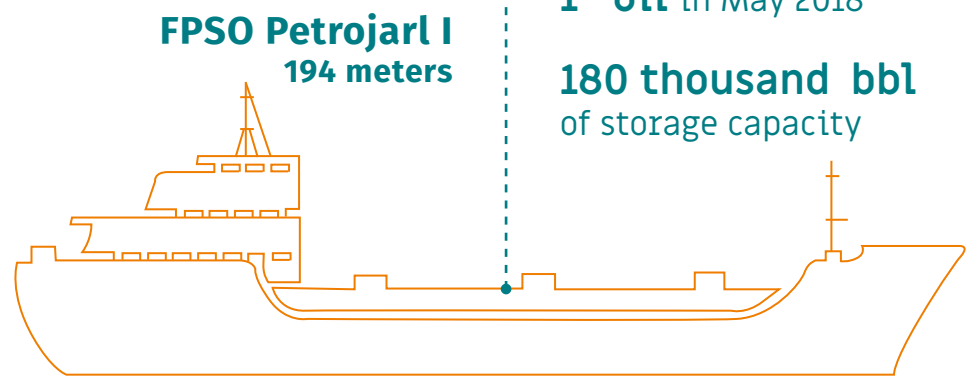
50 thousand bbl/day of oil production capacity

140 thousand barrels/day of water treatment capacity

From 6 to 8 wells connected directly to the FPSO

1.4 million bbl of storage capacity

Energy efficiency and reduction of CO<sub>2</sub> emissions



**185 km**  
from the coast

**158.9 million bbl**  
of 2P reserves

**100%**  
Enauta

**Block BS-4**  
(Santos Basin)

**Heavy oil**  
(14<sup>o</sup> API) with low sulfur content

**1,550 meters**  
of water depth