

New award for Diesel Hydrotreating and Hydrogen Recovery Unit by consortium with a Brazilian Affiliate Company

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TOYO ENGINEERING CORPORATION

Toyo Engineering Corporation (TOYO, President Haruo Nagamatsu), together with its Brazilian affiliate TOYO-SETAL Empreendimentos Ltda. (TSE^{*1}), has been awarded a contract by Petróleo Brasileiro S.A. (PETROBRAS, Head Office: Rio de Janeiro) for the construction of a new Diesel Oil Hydrotreating Unit and Hydrogen Recovery Unit at the Replan Refinery^{*2} (REPLAN).

As part of PETROBRAS' 2022-2026 strategic plan, this project will boost production of S-10 diesel ^{*3} (ultra-low sulfur diesel) by 63,000 bpd and all diesel produced at the refinery will be low sulfur. The consortium of TOYO and TSE will undertake the entire EPC work from detailed engineering, procurement of equipment and materials, construction work, and commissioning, with completion scheduled for 2025.

PETROBRAS plans to invest US\$ 6.1 billion over the next five years to increase capacity at existing refineries and reduce greenhouse gas emissions. Starting with this project, TOYO is aiming to win more awards for future projects and contribute to the creation of an environmentally friendly society.

*1 TSE: A wholly owned subsidiary of TS Participações S.A. (TSPI), a Brazilian corporation established in May 2012 by TOYO and SOG - Oleo e Gas (SOG), a major Brazilian engineering company, each with a 50% of shares. TSE is an operating company that mainly performs EPC for onshore facilities, and TSPI is an equity method affiliate of TOYO.

*2 Replan Refinery: The largest refinery in Brazil, established in May 1972. Processing capacity is 434,000 bpd.

*3 S-10 diesel: Diesel oil with low environmental impact in which the sulfur content of diesel oil is reduced to less than 10 ppm through desulfurization treatment. It has been introduced in Brazil since 2013.

Project Summary

- Client : Petróleo Brasileiro S.A.
- Contractor : Consortium of Toyo Engineering and TSE
- Location : Paulinia, São Paulo state, Brazil
- Equipment : Diesel Oil Hydrotreating (63,000 bpd)
Hydrogen Recovery Unit (150,000 Nm³/d)
- Services : Detailed engineering, Procurement, Construction, Commissioning
- Completion : 2025

An overview of REPLAN (Image from Website Petrobras)



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