

PROJECT PROFILE KAYRA SENTOSA GAS-PROCESSING PLANT



Client: **MEDCOENERGI** | Location: **INDONESIA**

Audubon was selected by [MedcoEnergi](#) to provide [engineering](#), [project management](#), [procurement](#), [fabrication](#), and [commissioning and startup](#) services for a greenfield project in Indonesia. The Kayra Sentosa gas-processing plant was designed to handle 100 MMSCFD of natural gas.

The facility included a turboexpander plant using Single-Column Overhead Recycle (SCORE) for 99% gas processing and a 5,720-BPD depropanizer and 2,470-BPD debutanizer—both with a 22,000-HP inlet and residue compressor. Plant utilities included flare, drain, instrument air, control system, power generation, and associated infrastructure. Audubon applied a modular approach for all processing units, which were fabricated and shop-tested in house and then shipped to the site for installation.

After the detailed engineering and implementation by Audubon, the Kayra Sentosa gas-processing plant was able to produce truckable condensate, pipeline-quality sales gas, and natural gas liquid (NGL) products

Project Overview

- Greenfield gas plant
- 100-MMSCFD gas processing
- Turboexpander plant using SCORE
- 5,720-BPD depropanizer
- 2,470-BPD debutanizer
- 22,000-HP inlet and residue compressors

Scope of Work

- Detailed engineering & design
- Project management
- Procurement
- Process safety analysis
- Fabrication
- [Automation](#)
- [Construction management](#)
- Inspection
- Commissioning & startup

