

Petrovietnam Phumy Fertilizer Plant

Operations & Maintenance Audit



Operator/ Client: Petrovietnam Fertilizer and Chemicals Company (PVFCCo)
Project/ Location: Phumy Fertilizer Plant, Ba Ria-Vung Thau Province, Vietnam
Scope of Services: Operations and Maintenance Audit



Phumy Fertilizer Plant at a glance:

As Vietnam first modern fertilizer plant, the Phumy Fertilizer Plant consists of:

- Ammonia Plant (Haldor Topsoe License) with capacity of 1,350 Mt/d having natural gas as feedstock and with MDEA CO₂ removal BASF process.
- Urea Plant (Snamprogetti License) with normal capacity of 2,200 Mt/d and rated capacity of 2,385 Mt/d and with prilled urea as final product.
- Utilities, offsite and infrastructure facilities which are required for operation.



ARAMIS Scope of Work:

➤ Conduct an Operations and Maintenance (O&M) and HSE audit on the facilities prior to releasing Performance Guarantees including:

- Plant Process Performance
- Plant Availability
- HSE Performance
- Ability of Plant O&M team.
- Status of Plant Equipment and Machinery.
- Adherence to procedures issued by licensors and manufacturers.

➤ Perform a detailed review of:

- O&M organization.
- Existence, adequacy and implementation of a Competence Assurance System for the O&M Team.
- Effective use of O&M management system for plant equipment and machinery.
- Completeness, relevance and implementation of O&M policies, procedures, and work instructions.

➤ Execute the analysis of the current “As Is” situation and provide action plan for achieving the future “To Be” situation.

