

EXHIBIT 1. SUMMUM PROJECTS EXPERIENCE AND QUALIFICATIONS

**Talara Refinery - PMC for the Upgrade and Expansion from 65 to 95 kBD**

Talara, Piura, Peru

**Sector of activity:**

Downstream - Refining

**Client:**

PETROPERU

**Year of completion:**

2017 Ongoing



**Mandate:**

SUMMUM (Inelectra International), Idom and Nippon Koei under a Joint Venture, were awarded by PetroPeru, Peruvian state oil and gas company for the Project Management Consultant – PMC services for the Upgrade and Expansion from 65 to 95 kBD.

**Description:**

The project included the desulphurization of diesel and gasoline engine fuels, conversion of residual bottoms, increase of the average octane of gasoline, develop the capability for production of sulphuric acid, generation of electrical energy for self-consumption, buildings (administration/technical office, laboratory building), harbors facilities improvements and others.

SUMMUM scope of services included: Engineering Management (Deliverables review and comments), Procurement Management Supervision, Project Controls, Turn Over Packaging – TOP, Construction Supervision, Precommissioning, and Commissioning Supervision.

Challenges associated with the project included:

- Comprehensive Health, Safety and Environment and Quality Assurance systems are being developed and managed for the project.
- Coordinating the efforts of the EPC contractor and ensuring major milestones are respected for engineering and vendor drawings/packages;
- Support the development a contract packaging strategy to reflect engineering milestones, market conditions and contractor capabilities;
- Maximizing vendor and construction synergy among the various scopes and projects;
- Splitting pipe fabrication into several packages to increase productivity;

**Schedule**                      **Start date:**      2010                      **Final date:**      2017 - Ongoing

**SUMMUM Project Manager:**                      Carlos Bustillo