

Design Services for Ara Petroleum Crude Oil Gathering and separation Station Facility for Oil & Gas

Client

Al Hamra Kuwait CO. W.L.L

Scope of Work

Conceptual Design
Preliminary Design
Basis of Design Report
Pre-Tender Services

Location

Oman

Types of Activities

Architectural
Communications and Security Systems
Electrical
HVAC
Instrumentation and Control
Loss Prevention
Mechanical
Piping
Process Design
Rotating Equipment
Static Equipment
Structural

The project includes the pre-tender services for the Engineering & Process Design of an oil & gas Industrial facility in North of Oman.

On a total area of 18,000 m²; the project comprises a control building (area of 1,600 m²), electrical substations (area of 1,600 m²), and a chemical storage (area of 400 m²).

The remaining area is dedicated for crude oil processing. The main components are manifold areas, 3-phase

separators, water injection packages, crude oil (On-Spec and Off-Spec tanks), electrical generators working on associated gases, transfer pumps, and flare package.

The manifold connects 24 wellheads; the gathering stations has a capacity of 12,000 BOPD; water processing has a capacity of 40,000 BOPD; and associated gases has a capacity of 50m³/hr with overall policy of implementing zero gas flaring philosophy in design and operation.

