Gas Metering & Regulating Systems
High Pressure Custody Transfer Metering Stations

Client: NORSK HYDRO – AKER KVAENER

Location: ORMEN LANGE, Norway

Function: Export Custody Metering System (On Shore)

Design Pressure: 285 barg

Design Capacity: 2,750,000 Nm3/h

Sizing: 3x Meter runs 18” -2500 in Duplex material
High Pressure Custody Transfer Metering Stations

Client: DESFA SA (Greek Transmission Gas Company)

Location: 29 Locations in Greece

Function: City Gate, Regulating & Custody Metering Systems

Design Pressure: 70 barg

Design Capacities: 28,000-100,000 Nm³/h
High Pressure Custody Transfer Metering Stations

Client: J&P Energy
Location: Nafoora - Libya
Function: City Gate Regulating & Custody Metering Systems
Design Pressure: 55barg
Design Capacities: 88,000Nm3/h
High Pressure Gas Conditioning & Treatment Stations

Client: CHEVRON – SHELL, WEST AFRICA PIPELINE

Location: Takoradi Ghana

Function: Border Gas Heating and Conditioning System (On Shore)

Design Pressure: Inlet 108 barg – after heating 37 barg

Design Capacity: 128.9 MMSCFD

Sizing: 12” Class 600/300
High Pressure Gas Conditioning and Treatment Stations

Client: WILLBROSS, CHEVRON – SHELL, WEST AFRICA PIPELINE

Location: Tema Ghana

Function: Border Gas Conditioning & Regulating System (On Shore)

Design Pressure: 113 barg

Design Capacity: 235 MMSCFD

Sizing: 16” #600
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: Power Public Cooperation (PPC)

Location: Lavrio – Greece, 173,4MW Combined Cycle

Function: Gas Filtering, Heating, Regulating & Custody Transfer Metering System

Design Pressure: 50 barg

Design Capacity: 60,000 m3/h

Sizing: 10” – PN40
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: Power Public Cooperation (PPC)

Location: Komotini – Greece, 173.4MW Combined Cycle

Function: Gas Filtering, Heating, Regulating System

Design Pressure: 70barg

Design Capacity: 100,000 m3/h

Sizing: 10”x12” – ANSI600
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: HRWN Theroelectriki

Location: Thiva – Greece, 175MW Combined Cycle

Function: Gas Filtering, Heating, Regulating & Custody Transfer Metering System

Design Pressure: 70barg

Design Capacity: 45,000 m3/h

Sizing: 8” – ANSI600
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: Public Power Cooperation (PPC)

Location: Lavrio V – Greece, 400MW Combined Cycle

Function: Gas Filtering, Regulating & Custody Transfer Metering System

Design Pressure: 50barg

Design Capacity: 75,000 m3/h

Sizing: 10” – ANSI300
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: Korinthos Power - METKA

Location: Korinthos – Greece, 400MW Combined Cycle

Function: Gas Filtering, Preheating, Regulating & Custody Transfer Metering System

Design Pressure: 70barg

Design Capacity: 80,400 m3/h

Sizing: 10” – ANSI600
High Pressure Gas Receiving Systems (GRS) for Power Plants

Client: HELPEDISON – EDISON Ita.

Location: Thisvi – Greece, 400MW Combined Cycle

Function: Gas Filtering, Preheating, Regulating & Custody Transfer Metering System

Design Pressure: 70barg

Design Capacity: 80,400 m³/h

Sizing: 10” – ANSI600
High Pressure Gas Receiving Systems (GRS) for Power Plants – Mobile Units

Client: METKA

Location: Algeria, 6 Units x18,83MW each, Mobile power plants utilizing GT units.

Function: Gas Filtering, Preheating, Regulating & Custody Transfer Metering System, Fully mobile Units

Design Pressure: 70barg

Design Capacity: 9,000m3/h

Sizing: 3” – ANSI600
Medium Pressure Gas Metering/Regulating Systems

Client: DEPA, EPA Attika, EPA Thessaloniki (Gas Distribution Companies)

Location: Greece, various locations.

Function: Gas Filtering, Regulating & Custody Transfer Metering System for Distribution checking or Industrial customers feeding

Design Pressure: 19-4barg

Design Capacity:
8,000m³/h - 320 m³/h

Sizing: Various, ANSI 150
Low Pressure Gas Metering/Regulating Systems

Client: DEPA, EPA Attika, EPA Thessaloniki (Gas Distribution Companies)

Location: Greece, various locations.

Function: Gas Filtering, Regulating & Custody Transfer Metering System for Medium & Small Industrial customers feeding

Design Pressure: 4barg

Design Capacity: 1200m³/h - 50m³/h

Sizing: Various, ANSI 150
Low Pressure Gas Metering/Regulating Systems

Client: DEPA, EPA Attika, EPA Thessaloniki (Gas Distribution Companies)

Location: Greece, various locations.

Function: Gas Filtering, Regulating & Custody Transfer Metering System for Medium & Small Industrial customers feeding

Design Pressure: 4barg

Design Capacity:
1000m3/h - 50m3/h

Sizing: Various, ANSI 150
Low Pressure Gas Metering/Regulating Systems

Client: DEPA, EPA Attika, EPA Thessaloniki (Gas Distribution Companies)

Location: Greece, various locations.

Function: Gas Regulating and Custody metering systems for domestic users

Design Pressure: 0.05-4 barg

Design Capacity: 160 Nm³/h - 2,5 Nm³/h

Sizing: Various, ANSI 150
Pressure Vessels – Specific Fabrication for Gas Systems

Fabrication of various pressurizing vessels including headers, filters, accumulation vessels

Sizing: Various, ANSI 150 – 900

Option: U-Stamp
Filter Separators – Specific Fabrication for Gas Systems

Fabrication of various Filter Separators for Gas cleaning

Sizing: Various, ANSI 150 – 900

Option: U-Stamp
Venturi Meters – Specific Fabrication for Gas Systems

Fabrication of various venturi meters

Client: FMC (UK)-
End User : ARAMCO

Location: Khursaniya project

Sizing: 8”-60”,
ANSI 150, 300, 600, 900
Scraper Traps and Stations – Specific Fabrication for Gas Systems

Fabrication of various Scraper Traps and Stations

Sizing: Various, ANSI 150, 300, 600, 900
Tubesheet type Heat Exchanger – Specific Fabrication for Gas Systems

Fabrication of various tubesheet, TEMA-R, BEU type heat exchangers

Sizing: Various, ANSI 150 – 900

Option: U-Stamp
Heating systems for Gas Stations

Fabrication of heating systems and networks, utilizing hot water or steam heat.

Sizing: Various, ANSI 150 – 900

Option: U-Stamp
Automation of Gas Systems

Control Panel assembly

Integration of custody transfer metering devices such as flow computers, analyzers & Scada/DCS systems

Internal wiring

Testing (continuity, meger, loop checks)
Special Services for Gas Pipelines

Hot Tapping Services and Line Stopping
Engineering of Gas Systems

3D Autocad Design

Stress Analysis of piping using CEASAR software

Strength Analysis of Structural Frames using ROBO Software

Sizing calculations in EXCEL enviroment

Pressure Vessels Strength Claculations (Filters, Heat Exxchangers) using PV-Elite (ASME VIII Div.1, EN13445, PD5500,)
Project Management

Tasks:

- Client communications
- Project’s time integration and quality follow up
- Specifications requirements fulfillment
Quality Assurance

Tasks:
- Quality checks and testings
- Calibrations
- Client’s Technical Specifications compliance
Site Technical Support

Tasks:

Installation and Site Supervision

Precommissioning, Commissioning and Start-Up

Maintenance Support

Metering Proving