

# CRESCENT PRODUCT LINE CARD



At Crescent Engineering we provide Process Engineering solutions to our clients. We are a global supplier established in the heart of the Middle East Oil and Gas hub.

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## PROCESS PLANTS & EQUIPMENT

- » NGL Recovery
- » Fuel Gas Conditioning
- » Stabilization
- » Fractionation
- » Isomerization
- » Gas and Liquid Treating
- » CO<sub>2</sub> Purification and Liquefaction
- » Hydrogen Synthesis Gas
- » Sulfur Recovery
- » Compressor Station
- » Water Treating



## TREATING EQUIPMENT

- » Gas and Liquid Applications
- » CO<sub>2</sub> Removal
- » H<sub>2</sub>S Removal
- » Mercaptan Removal
- » Amine Units (DEA, DGA, MDEA, and others)



## DEHYDRATION

- » Glycol – Gas/Liquid
- » Liquid Dehydration
- » Molecular Sieve
- » Calcium Chloride Dryers
- » CO<sub>2</sub> Dryers
- » Associated Emission Abatement



## SEPARATION EQUIPMENT

- » Gas-Liquid-Liquid (3-Phase)
- » Liquid-Gas (2-Phase)
- » Liquid-Liquid (2-Phase)
- » High Volume Gas Scrubbers
- » Knockouts
- » Coalescers
- » Cyclones, Vanes, Wire Mesh
- » Slug Catchers



## PROCESS HEATERS

- » Glycol Water Bath Heaters
- » Natural Gas Heaters
- » Regeneration Gas Heaters
- » Thermal Fluid Heaters
- » Crude Oil Heaters
- » Thermal Oxidizers
- » Salt Bath Heaters
- » Propane Vaporizers
- » Reboilers



## GAS FILTRATION EQUIPMENT

- » Filter Separators
  - Gas-Dust
  - Gas-Liquid
  - Liquid-Solids
  - liquid-Liquid
- » Activated Carbon Filters
- » Coalescers



## LIQUID/OIL TREATING

- » Desalters
- » Treaters
- » Heated Separators
- » Dehydration



## PRODUCED WATER TREATMENT

- » Deoiling Hydrocyclone
- » Desanding Cyclones
- » Induced Gas Flotation (IGF)
- » Degasser
- » Walnut Shell Filter
- » Absorption Media
- » CPI / API
- » Chemical Injection.



## WATER TREATMENT

- » Reverse Osmosis (RO) Systems
- » Wastewater Treatment Plants
- » Ultra Filtration Packages
- » Fine Filtration
- » Biological Water Treatment
- » Demineralization Systems



## VALVES

- » Gate, Glove, Check & Ball
- » Double Block & Bleed
- » Range - 1/4@" to 60"
- » ANSI 150-2500#
- » Carbon Steels, Stainless Steels, Inconel, Monel etc



## PUMPS

- » Centrifugal Pumps
  - Horizontal & Vertical
  - Multi / Single Stage
  - Submersible
- » Reciprocating Pumps
  - Direct acting steam driven
  - API 674
- » Triplex plunger pumps
- » Vertical stream driven
- » Vertical bilge pumps



## ENGINEERING

- » Feasibility Studies
- » Process, Mechanical, Electrical & Civil
- » HAZOP / SIL
- » CFD Analysis
- » FEA Analysis
- » 3D Plant Modelling



## FABRICATION

- » ASME / API fully certified facilities
- » Complete Process Plants
- » Pressure Vessels
- » Skid Packages
- » Piping, Supports & Structures
- » CS/ SS / Duplex / Inconel



## INSTALLATION TRAINING & AFTERMARKET

- » Operator Training
- » Welding / NDT Training
- » HSE Training
- » In house training facility
- » Spares & Services