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Services

Project Development

- ▲ PFD Development
- ▲ P&ID Development
- ▲ P&ID Reviews
- ▲ HAZOP
- ▲ PSM Plans & Audits

Capital Projects

- ▲ Definition
- ▲ Project Management
- ▲ Project design
- ▲ Estimating

Other Services

- ▲ FEED
Process, Mech, Civil, I&E Design
- ▲ Procurement
- ▲ Field Construction
- ▲ Start Up

Mech. Design & Engineering

- ▲ 3-D model Creation- CADWorx
- ▲ Structural Analysis- STAAD.Pro
- ▲ Pressure Vessels- COMPRESS
- ▲ Pipe Stress Analysis- CAESAR II
- ▲ Generation of GA Drawings
- ▲ Equip. Datasheets & Specs.
- ▲ Piping & Valve Specs.
- ▲ Development of Piping Isos.
- ▲ Noise Suppression
- ▲ Air Filtration

Operations

- ▲ Operating Procedures
- ▲ Operating Narratives for Design
- ▲ Operator Training & Certification
- ▲ Maintenance Preparation Procedures
- ▲ Lockout/Tagout Procedures
- ▲ Workplace Hazard Analysis

Fabrication (ASME, DNV, CE)

- ▲ ASME Sec. VIII Div. 1, U & R Stamp
- ▲ ASME B-31.3/ B-31.1 Compliance
- ▲ Piping & Skid Packaging
- ▲ Turbine Auxiliaries

Oil & Gas

Providing a Wide Range of Products and Services to the Oil & Gas and Power Industry





VGAS is a solutions focused gas processing company that provides Engineering, Design, and Fabrication to the global Oil and Gas Industry. VGAS is committed to the development and deployment of recognized and cutting-edge solutions that can meet even the

toughest production challenges.

Our highly-skilled workforce is broadly experienced in Oil & Gas Engineering and enables its clients to run profitable and successful gas operations through innovative Processing and Treatment techniques. VGAS Engineers, Designs,

and Fabricates Gas Processing and Treating plants tailored to each customer's specifications.

VGAS is involved in the Power Industry through Designing and Fabricating Balance of Plant Equipment such as Exhaust/ Inlet Systems and Silencers for various Gas Turbines.

Products

Custom designed plants of all sizes to meet required design conditions in the areas of:

NGL Recovery Plants

- ▲ **Cryogenic**
- ▲ **Recovery Plants Concept:**
 - Joule-Thomson
 - Turbo-Expander
- ▲ **Design Suitable for:**
 - Conventional Gas
 - Stranded Gas
 - Flare Gas



69,000 HP (9) Compressor Station



Amine/Glycol Skids

LNG Plants

- ▲ **Mini Liquefaction Plants:**
 - 10,000 GPD - 50,000 GPD
 - No External Cooling
 - Low CAPEX & OPEX

Gas Sweetening

- ▲ **20-100 GPM Amine Plants:**
 - CO2 Removal
 - H2S Removal
 - Skid-Mounted Designs



30 MMSCFD Natural Gas Processing Plant, Goldsmith, TX



1.3 MMSCFD Natural Gas Processing Plant, Mentone, TX

Dehydration

- ▲ **Complete Plant or Feed for Recovery Plants:**
 - Glycol Systems
 - Mol Sieve Systems
 - Skid-Mounted Standard Designs

Mechanical Refrigeration

- ▲ **Custom Skid-Mounted Systems for:**
 - Dew Point Control (DPC)
 - Condensate Stabilization
 - Heavy Hydrocarbons

Fractionation

- ▲ **Specific Product Selection**
 - Propane
 - Butane & Isobutane
 - Pentanes Plus



60 GPM Gas Sweetening and Hydrocarbon Dew Point Package, Pakistan

Gas Turbine/Reciprocating Ancillary Package Components

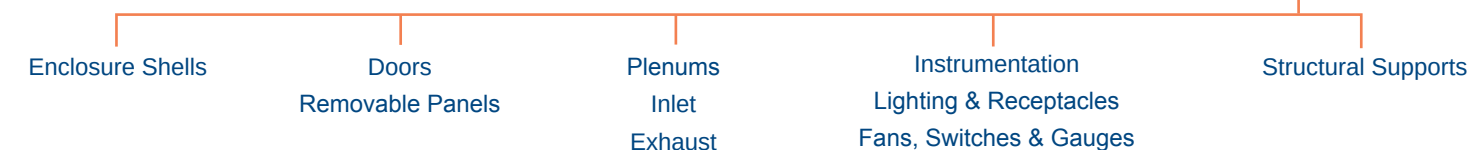
Air Intake - For engine, compressor and blower intake applications, VGAS can cover your air intake requirements. We manufacture a quality line of air filter housings from 500 to over

250,000 CFM to accommodate a choice of VGAS filter media. VGAS high efficiency turbine filters handle heat associated with reverse flow conditions found in rotating machinery applications.



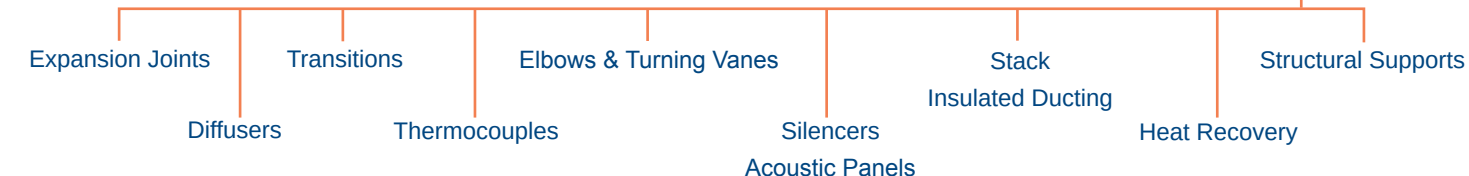
Enclosures - VGAS provides the experience and technical expertise to design and manufacture enclosures for rotating equipment and peripherals that address air treatment, acoustics and mechanical

requirements. From panels, doors and lighting, to vents, silencers and fire control systems, VGAS enclosures can be built to customer specifications and/or performance criteria.



Exhaust - From the exhaust plenum through the silencers VGAS can supply a complete exhaust system. We also manufacture steam-vent silencers, blow-down

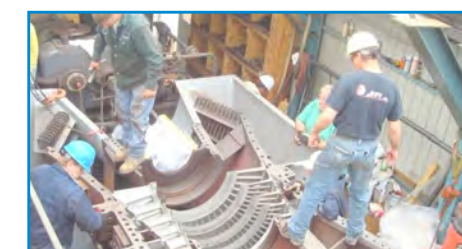
silencers, rectangular duct silencers as well as different style tubular duct silencers. We provide each component from expansion joints to the structural supports.



Filter House with Inertial Separators, Prudhoe Bay, Alaska



GE Frame 5 Turbine Rotor Alignment



Siemens Westinghouse 251B Gas Turbine Major Overhaul