

Oil & Gas Facility Engineering

Another way INNOVA Global is committed to creating a cleaner, quieter and more efficient world around us



Balance Without Compromise™

Integrated Compressor, Processing Facility and Pipeline Design Services

INNOVA Global has proven expertise in natural gas compressor solutions, process engineering and facility and pipeline design. A former ATCO company, INNOVA Global has successfully executed over **3,500** projects spanning **50+** countries over our **40-year** history. We now have 11 dedicated offices worldwide – allowing us to provide exceptional value to producers and operators of varying sizes.

3500+ 
PROJECTS

40 YEARS IN
BUSINESS 

50+ COUNTRIES



Solving Complex Problems and Overcoming Challenges

The production and processing of hydrocarbons requires increasingly complex, innovative engineering solutions. INNOVA Global's Oil & Gas team has achieved a **100% success rate** in solving the most challenging problems including Hg and H₂S trace removal, high CO₂ removal, deep-cut liquids recovery, and monetization of remote gas sources.

Technical Challenges

INNOVA Global's Oil & Gas team specializes in assisting Operations personnel in addressing, then overcoming production issues, including:

- » Compressor solutions & optimization
- » Sour natural gas processing & handling
- » Crude oil handling, treating & de-salting
- » Gas refrigeration/hydrocarbon liquids recovery
- » Enhanced oil recovery (EOR)
- » Bulk CO₂ removal
- » Solution gas
- » Coal bed methane extraction & treating
- » Gas storage and recycling projects
- » Water treatment and disposal
- » Vapor recovery
- » Waste heat recovery
- » Plant process modifications
- » Changing gas compositions & BTU values
- » Shifting or declining gas volumes

Other issues we help address involve:

- » FEED studies & associated economics
- » Greenfield development & planning
- » Brownfield enhancement & expansion
- » Facility & pipeline de-bottlenecking
- » Power generation
- » Specialty processes

Economic Challenges

INNOVA Global maximizes ROI by combining cost-effective engineering solutions with our low price, in-house fabrication and supply chain. We also offer turnkey solutions that include design, compressor and equipment module packaging, facility and pipeline installation, start-up and commissioning. The result is lower mark-ups, single-source supply and guaranteed performance. Process conditions are optimized while ensuring your facilities match specified operational and production parameters. Cost-effective designs minimize downtime, reduce surface repair and replacement (SR&R) costs, and maximize facility utilization and expansion potential.

The INNOVA Global Advantage:

Our Team's historical operating experience and understanding of producers' needs provide maximum capital recovery for new or expansion projects. INNOVA offers:

- » Cash flow & economic evaluation
- » Economic modeling & commercial understanding
- » Low-cost manufacturing at three INNOVA fabrication plants
- » Supply chain network with preferential pricing passed to end-users
- » Portable, modular facility designs for rapid field installation & re-deployment
- » Re-purposing of a clients' own equipment or finding/refurbishing gray market stock
- » Waste heat recovery for electricity generation
- » On-site power generation
- » Utilization of low-cost, refurbished gas turbines
- » Technical support and trouble shooting



Environmental Challenges

INNOVA Global is known for advanced, cost-effective noise and air emissions solutions. Our customized solutions guarantee compliance with all environmental standards, while accommodating space constraints.

- » Acoustical buildings and equipment enclosures
- » Ventilation silencing systems
- » Noise barriers
- » Custom silencers
- » Exhaust and inlet systems
- » Re-locatable acoustic structures for purchase or lease
- » Catalyst systems for CO & NOx removal
- » Waste heat recovery systems



Leverage Our EPCM Capabilities

INNOVA Global's full suite of EPCM capabilities ensures high quality facilities to match your infrastructure and operational needs.

- » Conceptual and front-end engineering design (FEED) & budgetary collaboration
- » Regulatory assessments & permitting assistance
- » Facilities design & layout
- » Detailed engineering (acoustical, air emissions, piping, mechanical, structural, civil, electrical, instrumentation)
- » Schedule & budget development
- » Component & package fabrication
- » Sourcing & expediting
- » Excavation & site preparation
- » Construction management
- » Start-up and commissioning
- » Compliance & performance guarantee

INNOVA'S Oil & Gas Team

INNOVA Global's Oil & Gas team serves as an extension of your in-house engineering team – a dynamic brain trust at your disposal. Each team member has decades of experience in compression and process engineering, and oil & gas operations. It is a hands-on, multidisciplinary team of proven problem solvers that is up to any challenge. We pride ourselves on clear and open lines of communications to ensure no detail is overlooked.

Teams are assembled based on project scope and schedule, with a Principal INNOVA Global Processing Engineer assigned to projects of larger size and complexity. We ensure each project meets operational requirements, and conforms to capital parameters.

Representative Projects

For a list of INNOVA Global's project experience, visit the Oil & Gas section at innova-gl.com.





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Contact Us Today

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