



Integrated Industrial Engineering

ENGINEERING | DESIGN | PROCUREMENT | PROJECT MANAGEMENT



Engineering Expertise

Vista provides integrated engineering, design, procurement, project management, and digital transformation solutions to a broad range of global energy and industrial markets.

Working across diverse market segments, our success is driven by outstanding technical expertise, a focus on technology, flexibility, responsiveness, and our consistent delivery of high-quality engineering.

Our focus on delivering high-quality, fit-for-purpose designs has earned our reputation as a trusted leader in facilities engineering.



\$30+ Billion TIC 1,100+ PROJECTS 37 YEARS

Experience

- Full-cycle integrated engineering for large-scale industrial projects
- Wide range of industrial market segments
- Digital transformation of industrial assets
- Modularization optimization
- Studies and forensic engineering
- Water treatment and management

Client Value

- Cost-reduction expertise
- Focus on safety in design and fit-for-purpose engineering
- Transparent and collaborative execution model
- Flexible, responsive, and dedicated client teams
- ISO 9001:2015 certified
- Participation in contractor compliance systems

People Focus

- Stable and long-term staff base
- Key performers retained as owners
- Competitive bonus pool
- Great Place to Work-Certified™ organization
- Six-time winner of Canada's Best Managed Companies program
- Excellence-driven work environment



Biofuels

Renewable energy designs take many different forms, given the variety of feedstocks available in this market. Vista's broad range of design experience in the areas of solids handling, liquids processing, and natural gas purification are ideally suited for many biofuel production plants.

Cogeneration

Vista focuses on helping clients analyze their power needs and engineering fit-for-purpose design solutions. Whether it is efficiently powering a large-scale facility or customizing a micro co-generation skid, Vista's team has the expertise required.

Conventional Oil

Vista has extensive engineering design experience for conventional oil facilities. Our capabilities include the development of conventional oil batteries, tank farms, satellite and gathering systems, and utilities and off-sites.

Enhanced Oil Recovery (EOR)

Vista has successfully engineered cutting-edge EOR facilities. Our focus on fit-for-purpose engineering designs and a data-centric approach to project execution are of great value in the EOR market, where cost efficiency is of great importance.

Gas Processing

Vista has extensive experience with both sweet and sour gas handling equipment and piping projects. Our portfolio includes greenfield asset developments, as well as facility debottlenecking, expansion, and modification work.

In-Situ Heavy Oil

From piloting new extraction technologies to designing large-scale facility expansions, Vista has earned its reputation as a leader in thermal heavy oil processing facilities.

Midstream Infrastructure

Vista has a diverse portfolio of midstream projects, ranging from lease automatic custody transfer (LACT) units to complex process optimizations. We have

successfully executed engineering and design projects for a variety of midstream operators in areas including tankage, pumping, transport lines, measurement, and loading stations.

Mineral Processing

Mineral processing includes the operations performed at mining sites, as well as mineral processing facilities. Vista's engineering capabilities in mineral processing are wide-ranging, including ventilation systems, infrastructure design, and water management.

Pads and Pipelines

Vista has a broad range of engineering experience with pads and pipelines projects. Our work includes the first-ever use of a multiphase flow meter (MPFM) in AER well-pad testing, artificial lift and solvent injection, as well as other innovative solutions for well pad conversion projects.

Petrochemicals

As a fully integrated engineering firm with decades-long experience in projects of all scale and scope, Vista has all the prerequisites required to engineer the utilities needed in large-scale petrochemical processing plants.

Refining

Vista draws on its decades-long experience with facilities engineering design to provide a wide range of capabilities to the refining industry. We provide extensive consultation on how to best implement cost-saving initiatives and enhance long-term refinery profitability.





Digital Transformation

Vista's single-source-of-truth (SSOT) execution model simplifies the digital transformation of your industrial assets. With our leading data-centric approach, you can ensure decisions are based on accurate and verifiable data, helping to limit rework and shorten your project schedules.

Contact us to learn how our digital transformation experience can help reduce the total installation cost (TIC) and total cost of ownership (TCO) of your assets.

Water Treatment and Management

Water management is an increasingly critical factor for the industry, as government regulations become stricter. With increasing water scarcity and rising demand from growing populations, the industry is being tasked with the challenges of reducing water usage.

Vista is a demonstrated leader in water management. We have implemented systems to reduce water use by enhancing water recycling, while ensuring that safety and costs are kept at the forefront.

Forensic Engineering

Vista's forensic engineering and expert witness consulting services provide legal teams and insurance companies access to our multi-disciplinary engineering expertise. Our expert forensic engineering offering includes:

- Forensic Testing, Analysis, and Reporting
- Chemical Analysis
- Structural Failures
- Oil & Gas Pipeline Investigations



Modularization Optimization

Vista has engineered some of the most successful large-scale processing facilities in the Canadian energy sector. A key success factor has been our optimized approach to modularization in facility engineering design.

Modularization is a popular trend in industrial facilities engineering, and this is for good reason. When planned from the early stages of engineering, the benefits of optimized modularization include reduced costs, shortened schedules, and safer work environments.

Cost Reduction Analysis

In an increasingly challenging market beset by commodity price volatility, oil and gas companies insist on lowering project execution costs. Several clients have turned to Vista over the years for consultation on how to best implement cost-saving initiatives.

- Process Simplification
- Plot Plan Compression
- Project Optimization
- Fit-for-Purpose Specifications



Contact Vista

For more information about Vista's wide-ranging engineering capabilities, please contact our Business Development group at businessdevelopment@vistaprojects.com