

## Projects

ABT has demonstrated its ability to work on a diverse and complex range of engineering areas, including:

- Capital Projects
- Maintenance and reliability improvements
- Technical consulting

This company is fully aware of the growing sophistication and needs of the clientele in Trinidad and Tobago and has brought to the fore its world-class services, raising the bar for local energy services firms to international standards.

Our work has been recognized by our clients as being consistent and best-in-class. We have also enjoyed long-standing relationships with our clients.

ABT also invests in the future and its attention to modern electronic document management systems and data storage allows for efficient retrieval and storage of critical client data.



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for more project details  
[www.abt.tt](http://www.abt.tt)

### **Petrotrin**

#### Gasoline Optimization Programme (GOP)

The Trinidad and Tobago state-owned oil company Petrotrin, is performing an upgrade at its Pointe-a-Pierre refinery. The primary objective of this project is to produce higher-grade international specification gasoline for export.

ABT, with its deep understanding of the local oil and gas industry, undertook the Offsites & Utilities scope of works, which includes engineering and procurement of the following:

- Water Treatment Plant
- Steam Boilers with auxiliaries
- Cooling Water Tower
- Substations and Electrical Infrastructure
- Storage Tanks with pumps
- Oil/ Water separator
- Subsea Loading Line

- Interconnecting pipe and pipe racks
- Flare Design and Modeling
- Cross country pipeline

Being part of this project fell directly in line with ABT's commitment to the environment. Successful completion of the GOP means the production of cleaner and more environmentally friendly transportation fuels to regional and international markets.

ABT's work on the project helped to ensure the growth and sustainability of the nation's economy as the GOP will maximise the productivity of the nationally-owned energy enterprise and place Petrotrin as one of the key suppliers of quality, environmentally-friendly gasoline in the region.

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## Atlantic LNG

ABT has a long-standing relationship with the locally based liquified natural gas company Atlantic that began in July 2003 on the Train 4 project.

Following Train 4, ABT has performed varying scopes of work, ranging from conceptual technical studies to procurement and commissioning support.

Also of note is ABT's participation in 2005 in the engineering for the Reliability Phase of the Multi-Train De-bottlenecking Project. ABT, through its Bechtel offices, provided the downstream support for this project to debottleneck all trains on the Atlantic facility, thereby improving plant production and overall performance.

Successful projects include:

- Design and installation of Pressure Vessels such as Filter Coalescers
- Pressure Relief System Design and Evaluation
- Equipment sizing, including pumps, compressors and tanks
- New Regen Gas Heater
- New NGL Pumps
- Firewater Ring Main evaluation and upgrade
- Complex Fibre Backbone expansion
- Upgrade of piperacks
- New Chemical Storage Facility

ABT has been the major provider of engineering design support and this client has been satisfied with the excellent work provided. Through the company's continued focus on upholding to its core values, ABT has successfully been able to provide resources locally that are fully integrated with Atlantic's operations.

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## **CariSal** Calcium Chloride Project

The CariSal Calcium Chloride Project is a green field chemical facility to be constructed at Point Lisas, Trinidad. The facility is comprised of a Chlor-Alkali facility integrated with a Calcium Chloride manufacturing facility.

ABT conducted site visits to CariSal's Michigan plant to assist in assessment of the existing equipment and completing equipment layout for the Trinidad Facility. ABT took this project from conceptual design and provided all the Front End Engineering & Design (FEED) services and deliverables.

## **Phoenix Park Gas Processors Limited** Emergency Isolation Valves Project

ABT provided engineering and procurement services to Phoenix Park Gas Processors Limited to upgrade the safety of their gas processing plant at Point Lisas Trinidad by adding Emergency Isolation Valves and fire protection systems.