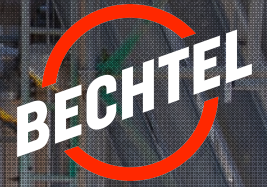


BECHTEL ENERGY

Bechtel Plant Support Services



Who are we?

At Bechtel PSS, we excel in delivering top-notch LNG services while adhering to our mantra:

“Supporting clients from concept to completion and beyond.”

Our dedicated team provides continuous technical and operational support from start to finish. With expertise in both greenfield and brownfield projects, we leverage Bechtel's global EPC portfolio, superior supply chain systems, construction know-how, and our in-house LNG Technology Group to deliver customised solutions that meet each customer's unique requirements, regardless of the liquefaction process technology involved.

The PSS Approach

Our approach is unparalleled within the industry as we remain technology-neutral, giving us the flexibility to effectively meet project requirements. We take pride in connecting our customers to Bechtel's extensive resources. Our experienced team consists of professionals from diverse backgrounds across six continents, ensuring that our customers have access to the best available resources, regardless of their location.

Services

Bechtel PSS can interface at various stages through a project, including:

Front End

- Engineering studies and feasibility phase reviews
- Front-end loading and front-end engineering design
- Master planning and execution management
- Technology assessments aligned with our customers specific CAPEX and OPEX targets.

Continuous Lifecycle Support

- Debottlenecking, plant operational optimisation evaluations and integrity checks
- Facility expansion and capital improvement projects
- Predictive modelling and transient analysis
- OEM and process support
- Data visualisation
- Carbon reduction and methane abatement opportunities

Back End

- Operational support around inlet gas composition changes
- Facility equipment life extension opportunities
- Power management studies
- Facility operating troubleshooting



PSS Work

A sample list of past executed scopes of work for our global clients is listed below.

Type of Scope	Scope Description	Location
Construction Management	Pressure vessel trim replacement	USA
Engineering	LNG facility hydraulic transient analysis	Africa
Engineering	LNG Storage tank new operation loads assessment	Africa
EP	Pipe stress analysis, procurement and fabrication for a vapour return line	Trinidad and Tobago
EPC	Instrument air system upgrades	Trinidad and Tobago
EPC	Heavy hydrocarbon tie in points into process	USA
EPC	Installation of PSV bypass installation	USA
EPC	Gas turbine stack emissions modifications	USA
EPC	Amine unit backflow modifications	USA
EPC	Heat recovery unit automation valve upgrades	USA
EPC	LNG Storage in-tank leak detection interlock	USA
Feasibility Study	Flashing Liquid Expander Study	Australia
Feasibility Study	Regenerator gas heating options with the possibility of LNG plant electrification	Asia Pacific
Feasibility Study	Investigate LNG facility fuel, flare and vent reduction opportunities	Australia
Feasibility Study	Vent oxidiser evaluation for combined vent gas lines	Australia
Feasibility Study	Gas turbine swap out for electric motor drive for electrification opportunities	Asia Pacific
Feasibility Study	LNG train de-bottlenecking for maximum production rate for different operating conditions and Scenarios	USA
Feasibility Study	Transient dual ship loading investigation	USA
Feasibility Study	Lifting study for jetty loading	USA
Feasibility Study	Fencing support design scope and apportionment	USA
FEED	Train reverse flow including all HAZOP and LOPA assessments for design	Trinidad and Tobago
FEED	Engineering support and upgrade to radial transformer	USA
FEED	Detailed engineering development for nitrogen membrane package	USA

Our Team

With expertise in engineering, procurement, construction, operations, and commissioning, we are equipped to handle all technical issues and optimisation opportunities in the LNG industry, regardless of capacity.

Our commitment to exceptional service means we offer prompt availability and support anywhere. Innovation drives us as we continuously improve our services to help customers achieve their goals.

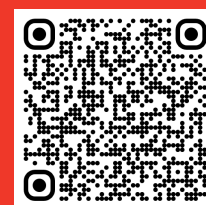
Contact Us

Houston, Texas, USA

Allen McCord

PSS Engineering Manager

ajmccord@bechtel.com | +1 713 235 5203



Perth, Western Australia

Jonathan Yoong

PSS Services Technical Lead

jyoong@bechtel.com | +61 8 6140 1123