LIQUEFIED NATURAL GAS (LNG) PRODUCTION

LNG is a clear answer to the world’s volatile gas supply-and-demand equation. Its challenge is infrastructure. For safe, efficient and economical solutions in LNG production, one company brings it all together: Black & Veatch.

An industry pioneer, Black & Veatch was involved in one of the world’s first LNG facilities, in Algeria in the early 1960s. Since then, we have designed and built numerous base load, peak shaver and LNG storage facilities.

Our technical and mechanical design expertise encompasses:

■ Low temperature equipment and materials
■ Low temperature insulation
■ Low temperature instrumentation
■ Cryogenic piping
■ LNG pumping
■ LNG storage and loading facilities
■ Large compressors, including electric, steam and gas turbine drivers

With Black & Veatch, you tap into our global LNG project experience that ranges from 4 MMSCFD to over 180 MMSCFD.
Our LNG process technology is ideal for producing LNG for:

- **Peak shaving** – Supplying gas during peak demand periods
- **Vehicle fuel supply** – Supply of clean-burning fuel
- **Gas distribution systems and power generation** – Supplying gas for new customers

### Advantages of Our PRICO® LNG Process

- **Economy** – The lowest capital cost of all competing technologies
- **Simplicity** – Single refrigeration system needs minimum number of equipment items and has a simplified control system
- **Flexibility** – Permits variation in feed gas composition and conditions, as well as LNG product
- **Ease of operation** – Allows for rapid startup and shutdown and has minimum downtime
- **Reliability** – Proven operation; needs fewer operating personnel

### Market Leadership & Experience

- 30+ operating plants
- 10 plants in development
- Over 160MM tons of LNG produced

### Technology Focus

Black & Veatch is a global leader specializing in gas processing, sulfur recovery and LNG technologies. Our comprehensive design to turnkey construction solutions, backed by our proven performance in safety, reliability and environmental considerations deliver consistent value.

### Technology Leadership

- **PRICO®** for liquefaction of natural gas
- **LPG-PLUS®** for liquefied petroleum gas (LPG) recovery
- **PRICO-DMR™** for baseload LNG liquefaction
- **PRICO-NGL™/PRICO-C2™** for ethane recovery, **PRICO-EX™** for ethane export
- **STEP sulfur to power**
- **Heat-assisted ambient air vaporization (LNG)**
- Integrated natural gas liquids (NGL) recovery in LNG terminals
- Integrated power generation/LNG terminals

### Execution Leadership

- 3,000+ assignments in more than 40 countries
- Proven performance in safety, reliability and environmental considerations
- Innovative execution capabilities

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**Building a World of Difference®**

Black & Veatch is an employee-owned, global leader in building critical human infrastructure in Power, Oil & Gas, Water, Telecommunications and Government Services. Since 1915, we have helped our clients improve the lives of people in over 100 countries through consulting, engineering, construction, operations and program management. Our revenues in 2015 were US $3 billion. Follow us on www.bv.com and in social media.

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