

# LNG INDUSTRY

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**ELLIOTT® GROUP**  
EBARA CORPORATION

# PUMP & TURBOMACHINERY equipment review

*LNG Industry previews a selection of the most advanced pump and turbomachinery equipment in the build up to this year's Turbomachinery & Pump Symposia in Houston, Texas, USA, from 12 to 15 September 2016.*

## L.A. Turbine Corp.

L.A. Turbine (LAT) delivers innovative turboexpander design, manufacturing and testing of application-specific, highly engineered turboexpanders used in hydrocarbon processing and other power generation/recovery or refrigeration.

This year, LAT produced its 100<sup>th</sup> turboexpander – LAT 560EC. The ethylene processing unit is a two-stage L3000 turboexpander-compressor with active magnetic bearings (AMB) and common seal gas system mounted on a common skid. Adding to LAT's unit total are 11 more turboexpanders designed for petrochemical processing, LNG and dew point control to be installed in Europe, Asia, Africa and the US. Among these is LAT 562EC, a single AMB turboexpander-compressor with a seal gas system, a remote control panel and programmable logic controls to be used for gas processing.

LAT turboexpander configurations include expander-compressor, expander-generator, expander-dyno (brake) units and expander-compressors with active magnetic bearings in the 3 kW to 14 MW range, capable of handling up to 3000 PSIG pressure, and temperatures between -195°C and 260°C. The company also provides aftermarket parts, design and global field service.

Top: L.A. Turbine's 560EC turboexpander-compressor with active magnetic bearings (AMB).

Bottom: L.A. Turbine's 562EC single AMB turboexpander-compressor.

