

Joint

Press Release

ECI-Distribution and AVAT cooperate to increase GE Jenbacher engine efficiency

Schwaz/Austria, Tuebingen/Germany, 10-27-2017 – An increase in efficiency, more flexibility and greater reliability: ECI-Distribution and AVAT are offering new possibilities for modernising CHP plants. The focus of the collaboration is an engine control and performance package for GE Jenbacher gas engines.

Many operators of combined heat and power plants (CHP plants) are seeking to make their gas engines more efficient and prepare them for future operating modes. In doing so there should be no compromises in terms of reliability and safety. ECI-Distribution and AVAT are making this possible with a new engine control and performance package for GE Jenbacher gas engines Types 3, 4 and 6. The two technology companies have jointly decided to offer operators an alternative in the modernisation and refurbishment of their CHP plants. The safe, comprehensive new control concept is called EDI and is based on AVAT's openECS engine control system. In combination with the EVE₃ cylinder component package from ECI-Distribution, the control system enables sustainable increases in engine efficiency.

EDI is an application-specific retrofit solution for GE Jenbacher engines that offers convincing levels of openness and flexibility. Operators obtain a significantly greater scope for adaptation, allowing them to optimise their systems themselves and adapt them to new technologies, raise the performance of their engines and better integrate peripheral systems. They benefit from uncomplicated retrofitting, a familiar application environment, high availability of replacement parts and the reliable support of experienced specialists. A further plus: the new controller already incorporates cylinder-individual knock control.

The two partners ECI-Distribution und AVAT each contribute to the EDI package what the market knows and appreciates them for. ECI-Distribution specialises in optimised components for gas engines from GE Jenbacher. For example, the Austrian company's innovative cylinder heads enable a considerable increase in engine efficiency. AVAT is an experienced expert for control technology, systems and equipment for gas engines and their applications, as well as solutions for energy production and supply. AVAT contributes to EDI the long-standing experience that the company gained as the developer and manufacturer of the well-known and well-proven TEM-Evo engine control system. ECI-Distribution will handle sales of the new engine control and performance package for GE Jenbacher gas engines.

EDI benefits at glance:

- An engine control system for the GE Jenbacher gas engine Types 3, 4 and 6
- Control and monitoring functions tailored to these engines
- Flexible adaptation of control functions, so that operators can perform their own optimisations
- Sustainable increases in efficiency in combination with ECI-Distribution's high-performance cylinder heads
- Reliable, cylinder-individual knock control open for future optimisations, such as the addition of cylinder-pressure-based engine control
- Fast engine start-up/run-up for peak load applications
- Flexibility of plant operating modes, e.g. power demand-led or power price-led operation
- Interfaces to SCADA systems, grid operators and virtual power plants
- Rapid modifications since control cabinets and cabling are retained
- Security of spare parts supply
- Comprehensive support and consultation

You can find out more about EDI at the 11th Key Energy exhibition. The leading trade show for renewable energy in the Mediterranean area takes place from 7 to 11 November 2017 in Rimini, Italy. ECI-Distribution is represented in Hall D5/Stand 188.

About ECI-Distribution

ECI-Distribution modernises and refurbishes gas engines of all brands. The experts from Schwaz in Tyrol develop customised solutions for gas engines, always with the aim of increasing both the effective life of individual components and the reliability of the complete plant. Founded in 2014, the company sees its role as a partner to all operators who wish to increase the efficiency and reliability of their gas engines while simultaneously reducing their maintenance costs. Sound know-how and years of experience in the development, construction and operation of ground-breaking gas engine components come together in the projects undertaken by ECI-Distribution, complemented by innovative concepts for maximising efficiency while simultaneously minimising emissions.

About AVAT

For 25 years AVAT Automation has provided highly specialised engineering support to manufacturers of gas engines, plant engineers, and service providers, as well as operators of decentralised energy system. Over 90 optimally qualified employees work at the independent medium-sized company, in interdisciplinary teams in the fields of management systems for gas engines and automation for supply and process engineering. AVAT's offering encompasses the complete spectrum of hardware, software and services needed to realise exacting customer demands – from individual parts, via partial solutions to complex total solutions for energy automation. Via its representation in Korea, the technology company from Tuebingen is also active in Asia.

Please send us a voucher copy. Many thanks.

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