



## Advanced Monitoring package for Jenbacher Type 3, 4 and 6 gas engines

### Conversion, Modification & Upgrade

#### Product description

INNIO's\* new Advanced Monitoring package enables additional diagnostic features on Jenbacher\* Type 3, 4 and 6 gas engines. The package includes sensors to run predictive analytics to increase uptime and reduce lifecycle cost.

#### Product details

- Oil consumption measurement**  
 A flow meter continuously measures engine oil consumption. Actual and historical measurements are visualized in the DIA.NE\* control system. Accurate measurement of lubricating oil consumption gives maximum cost control and enables early detection of increased engine wear.
- Oil filter differential pressure sensor**  
 Predictive analytics and condition based maintenance of the engine oil filter leads to reduced lifecycle costs and improved maintenance planning.

- Crankcase pressure sensor**  
 Continuous monitoring of the engine crankcase pressure enables predictive analytics for early failure detection of the power unit, turbocharger and blow-by system.
- Air Filter differential pressure sensor**  
 Enables condition based maintenance of filter elements and failure detection in case of damaged filter material.
- Intercooler differential pressure sensor**  
 to optimize and predict cleaning intervals.
- Blow-by filter differential pressure sensor**  
 Enables condition based maintenance of filter elements. Detection of damaged filter material and assembly issues (e.g. broken or missing O-rings).
- OEM documentation update**  
 Changes made to the installation in course of an upgrade are updated in the P&ID, operational manual, spare parts catalog and wiring diagrams.

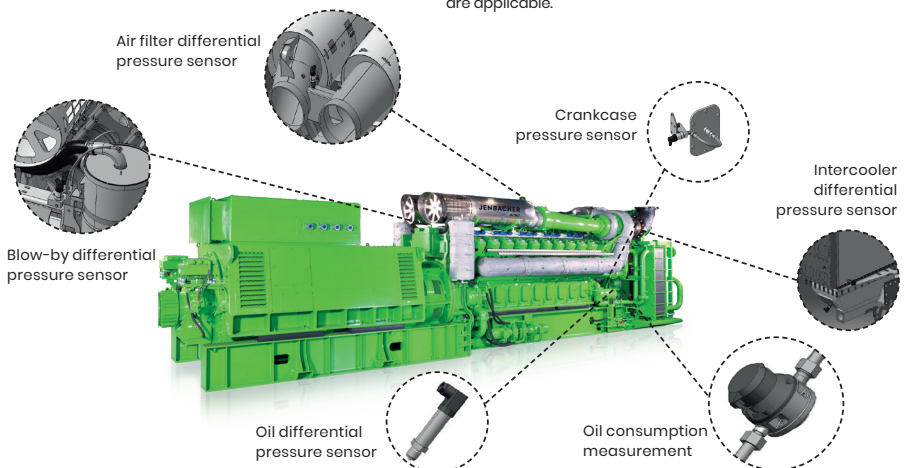
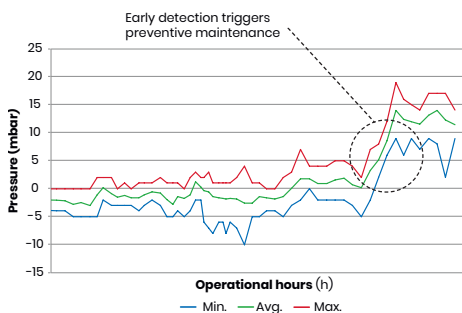
#### Customer benefits

- Increased uptime**  
 Enhanced failure diagnostic capabilities to prevent unplanned outages.
- Improved management of spare parts and consumables**  
 Optimized service management with predictable parts exchange.
- Condition based monitoring of key components**  
 Calculation of remaining component lifetime leads to enhanced maintenance planning.
- Advanced Monitoring package**  
 Maximize benefits by combining INNIO's RM&D solution & predictive analytics.

#### Applicable units\*\*\*

Type 2**		Type 4**	✓
Type 3**	✓	Type 6**	✓

\*\* Oil counter applicable for all platforms  
 \*\*\* All sensors are available for control system DIA.NE XT4.  
 For DIANE XT and XT3 only oil differential pressure sensor, oil consumption measurement and crankcase pressure sensor are applicable.



INNIO\* is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With our Jenbacher\* and Waukesha\* product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow. Our diverse portfolio of reliable, economical and sustainable industrial gas engines generates 200 kW to 10 MW of power for numerous industries globally. We can provide life cycle support to the more than 48,000 delivered gas engines worldwide. And, backed by our service network in more than 100 countries, INNIO connects with you locally for rapid response to your service needs. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, US.

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