IMPOSE LIMITS ON YOUR EMISSION LEVELS
THE STORM NOx-LOGGER

STORM
Technology and Service for engines and prime movers

We are Service

80 YEARS STORM 1937 - 2017

STORM ECOS® COGEN SERVICE SYSTEM

24/7 Service telephone
+49 5977 73-247

SIMPLE, COST-EFFECTIVE, SUSTAINABLE
THE STORM NOx-LOGGER

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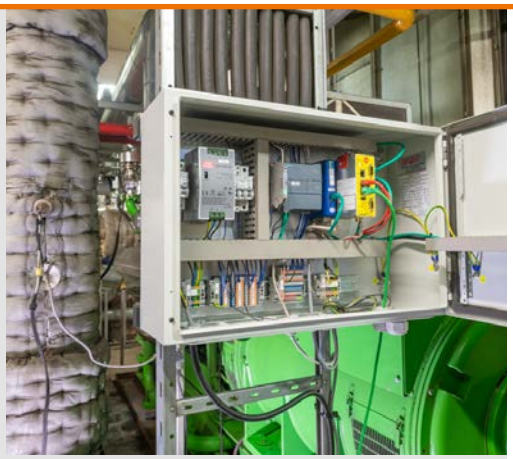

New regulations – the 44th German Federal Emission Control Act

Pursuant to the 44th German Federal Emission Control Act, all systems that are operated using gas engines on the basis of the Lean Principle and exceed a thermal output of 1-50 MW are required to continuously monitor their nitrogen oxide emissions. In addition to measuring NOx emissions, systems will also be required to provide evidence that exhaust gas treatment is being carried out on a continuous and effective basis. Regulation 6299 of the German Mechanical Engineering Federation requires that this be carried out by means of temperature monitoring. Opt for our solution, the STORM NOx-Logger, to overcome this challenge.

The benefits to you:

- Commissioning and set-up of the engine, as well as the legally stipulated annual emission measurement and calibration of the NOx sensor from a single source
- Free, continuous and legally compliant assistance with your duties of documentation
- Straightforward installation process and continuous compliance with VDMA regulation 6299 as at 09/19
- Deployable on all conventional engine types
- Price advantage due to multi-module capability
- No additional annual flat-charges
- Sustainable due to modular extendibility

Technical details:

Depending on the model, the STORM NOx-Logger can process signals from up to four modules. A Siemens S7 PLC and a Siemens Simatic 4" key/touch comfort display are used for this purpose. All of the data and logs are saved on an SD card in the display. The daily average values are also saved on the CPU to ensure that the data is backed up in case of a system failure. The daily average values and corresponding messages can be displayed via the archive. By choosing to integrate a router into the system, it is possible to send the logs automatically by email as a PDF on a monthly basis.

Standard scope of supply:

- NOx sensor incl. welding socket with thermal shield
  Type: UniNOx24V
- Exhaust gas temperature sensor, 1/2" threaded connection
  Type: K with integrated transducer 0 (4) - 20 mA
- Analogue input for: Actual output: 0 (4) - 20 mA / 0 (2) - 10 V
- Spare analogue input 0 (4) - 20 mA / 0 (2) - 10 V for pressure or CO sensor
- Potential-free "Warning" alarm contact
- Potential-free "Fault" alarm contact
- 24 VDC activation (system in operation)
- PLC processor: Siemens S7-1211
- HMI display: Siemens Simatic 4" key/touch comfort display

Optional:

- Digital input for gas meter
- Data coupling to other systems on request

STORM ECOS® COGEN SERVICE SYSTEM
RAL GÜTEZEICHEN MOTOREN
TÜV AUSTRIA CERTIFIED
CERTIFIED
EN ISO 9001
EN ISO 14001
EN ISO 50001
SCC[P]

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