



# QAL1 certification

## Performance testing of automated measuring systems and evaluation computers

Measuring systems for the purpose of monitoring emission limit values at plants or waste incinerators, for instance, must be certified to QAL1 and – in Germany – publically announced as such in the Federal Gazette (Bundesanzeiger). This equally applies to air quality monitoring systems, data handling and acquisition systems (DAHS) and to data evaluation and data transmission systems.

Emissions and air quality monitoring systems – continually tested and certified – form the basis for ideal and compliant control of emissions and air pollution. The same holds true for data handling and acquisition, evaluation and transmission systems.

The use of tested, certified and publically announced systems is mandatory in the regulated field of monitoring. Certification of measuring and evaluation system rests on the European standard series:

- EN 15267 Air quality – certification of automated measuring systems
- Requirements for air quality monitoring systems: EN 14211, EN 14212, EN 14625

At TÜV Rheinland, we take care of all the necessary testing services in the context of performance testing. In cooperation with major European certification bodies, we accompany our clients throughout the entire certification process. Moreover, we have made available a list of measuring systems certified to QAL1 at [www.qal1.de](http://www.qal1.de).

### OUR SERVICES AT A GLANCE

- Performance of laboratory tests for the purpose of establishing performance characteristics in line with applicable requirements (e.g. response times, lack-of-fit, cross-sensitivities)
- Simulation of ambient conditions (temperature, moisture, supply voltage)
- Performance of field tests to establish performance and long-term stability at various industrial plants
- Initial assessment and post-certification surveillance

of the quality management system implemented at AMS production sites in accordance with the requirements of EN 15267-2

- TÜV Rheinland Energy GmbH is a test laboratory accredited to EN ISO/IEC 17025:2005 and a test house notified according to § 29 b Federal Pollution Control Act (BImSchG) and, as such, will accompany you throughout the certification

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