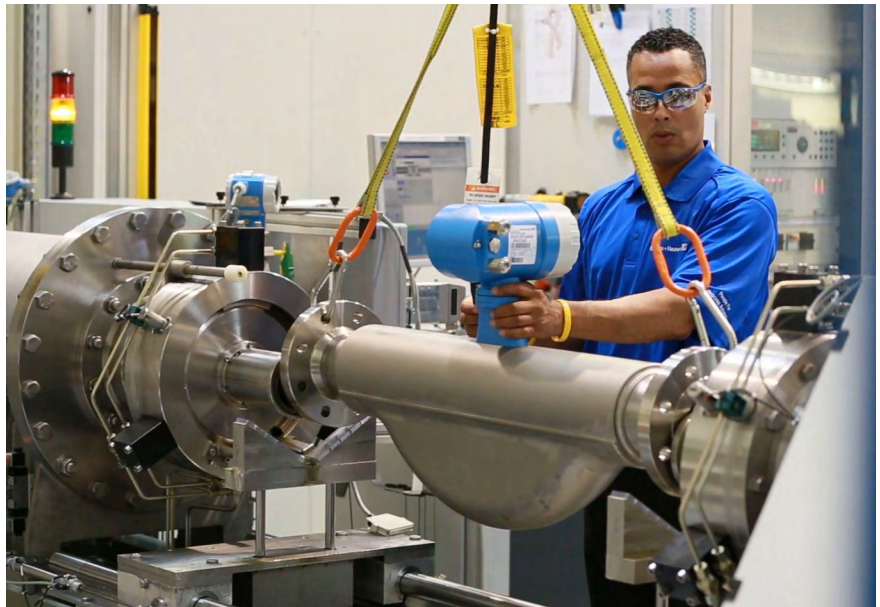


Boost compliance and efficiency in power plants

Streamline environmental compliance with optimized calibrations and asset insights

What is 40 CFR?

40 CFR refers to Title 40 of the Code of Federal Regulations. It contains regulations and rules set in place by the U.S. Environmental Protection Agency (EPA) meant to protect the environment and human health. Specifically, Part 75 covers continuous emission monitoring in certain facilities, particularly those that emit sulfur dioxide, nitrogen oxides and carbon dioxide.



Summary In today's highly regulated energy sector, electric utilities face pressure to maintain compliance with environmental regulations while improving operational efficiency. With hundreds of measurement points across multiple facilities, managing calibration schedules, ensuring traceability and meeting 40 CFR standards for environmental monitoring, instrumentation can be a significant challenge.

Challenge Many electric utilities rely on outdated or legacy calibration

routes; some applied too frequently, leading to inefficient use of time and resources, and others too infrequently, risking non-compliance and inaccurate measurements. There are more efficient data-driven strategies for asset management and calibration that align with both operational goals and regulatory requirements.

Solution Endress+Hauser, and its robust network of Authorized Service Providers (ASPs), offers options to meet 40 CFR Part 75 requirements. Part 75-compliant calibrations can be

completed in Endress+Hauser's laboratories in Greenwood, Indiana and Pearland, Texas. Additionally, on-site calibration may be an option, depending on instrument criteria. Endress+Hauser's consultative approach promotes alignment between calibration methods, customer requirements and regulatory standards. Services like Dynamic Installed Base Analysis (DIBA) help drive improved performance across instrumentation and processes. This service brings transparency and intelligence to asset management by auditing and analyzing a company's installed base, identifying critical measurement points, and evaluating calibration needs based on usage patterns, drift trends and regulatory requirements.

DIBA enables utilities to:

- Identify instruments that don't have the proper calibration intervals established
- Prioritize instruments tied to emissions monitoring
- Advise on a calibration strategy using historical data, risk assessments and predictive modeling

To support this strategy, Endress+Hauser provides a mix of lab-based, on-site and in-situ calibration services, ensuring all calibrations are traceable, documented and compliant with EPA guidelines. Calibration certificates can be made available to the customer via Netilion Library, IIoT-based file management service, for easy documentation access during audits.

Results Through Endress+Hauser's consultative approach with a DIBA service, electric utilities can:

- Reduce unnecessary calibrations and free up maintenance resources
- Minimize downtime and improve asset reliability
- Achieve full compliance with 40 CFR standards
- Proactively identify aging assets and plan replacements
- Shift from reactive compliance to a proactive, value-optimized calibration strategy

By aligning calibration practices with process needs and regulatory requirements, Endress+Hauser helps utilities ensure environmental compliance while enhancing operational performance.



Learn more about Endress+Hauser
USA's calibration services



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