ABB’s Made In India Integrated Gas Analyzer Systems: A Global Success



ABB - Gas analyzer system integration with fully customized analytical systems and solutions

In 2024, 85 percent of ABB’s integrated gas analyzer solutions manufactured at its Bengaluru facility were exported to international customers. ABB’s strategy for India focuses on leveraging business opportunities to deliver comprehensive analytical solutions both domestically and globally.

Effective measurement of gas quality is crucial for customers in energy industries such as oil and gas. As India celebrates 10 years of the “Make in India” initiative, ABB’s System Integration Unit proudly reports that 85 percent of the integrated analytical systems produced in Bengaluru have been delivered to international clients. These solutions have been exported to countries including Argentina and the United Arab Emirates, with ongoing projects for Canada and Australia.

Integrated gas and liquid analyzer systems play an indispensable role in ensuring the safety, reliability, and efficiency of production processes. By providing precise measurements of process gas and liquid components, these systems enable real-time monitoring of production streams and emissions. This capability helps detect and mitigate potential hazards,

optimize process control, reduce operational costs, and minimize environmental impact. Additionally, by monitoring emissions and identifying inefficiencies, these systems support environmental protection and enhance production outcomes.



ABB - The analytical systems portfolio includes continuous gas analyzers, online gas analyzers, process gas chromatographs, and more

“ABB is committed to helping customers across industries improve their efficiencies and performance, and we are increasingly able to do this from our base in India,” said Javier Suárez Díez, Global System Integration Manager at ABB. “Our team in Bengaluru combines extensive technology expertise with robust technical capabilities, making us competitive in the global analytical market.”

ABB provides end-to-end analyzer system integration services, offering fully customized analytical systems and solutions from engineering and fabrication to testing, field start-up, and on-site support. The portfolio includes direct-read continuous gas analyzers, advanced online gas and liquid analyzers using laser analytical techniques, rapid response process gas chromatographs, and more.

The company's focus in India underscores its commitment to exploring business opportunities and delivering world-class analytical solutions for both domestic and international markets.

"The expertise we have developed in India effectively supports the most challenging applications in energy industries, both domestically and internationally," Díez added. "We are pleased to see that while we continue to grow in India, we can also serve our international customers from this base."

In India, ABB has successfully executed analyzer solutions for landmark projects, including a major petrochemical complex and collaborations with state-owned oil and gas enterprises.

With over 40 years of experience, ABB has delivered fully customized industrial process and gas analyzer systems for some of the world's largest oil and gas development projects, spanning locations from the Texas Gulf Coast to Saudi Arabia and the Persian Gulf. ABB operates gas analyzer integration facilities not only in Bengaluru but also in Dammam (Saudi Arabia), Shanghai (China), and Houston (United States).

Recently, ABB's System Integration Unit was honored with the **Distributor of the Year** award at the Instrumentation Excellence Awards in London, UK. This accolade recognizes ABB's exceptional customer service in industrial process and gas analysis – a field critical to advancing the energy transition.