

# LOSS CONTROL AND MASS BALANCE CONSULTING STUDIES

Reduce losses and financial risk by improving mass balances used in loss control and/or process optimization.

With decades of measurement and industry expertise, Emerson has helped hydrocarbon manufacturers improve facility wide and process unit mass balances with comprehensive mass balance audits and uncertainty studies. Our experts evaluate hydrocarbon loss calculation procedures, methodology, tools, measurement practices, and business processes involved in determining mass balances. After the site study, an actionable report is generated that provides customized and prioritized recommendations, industry best practices, and quantifiable areas of improvement for enhancing mass balances.



Our experts will work closely with your identified stakeholders to understand your goals and challenges with unit mass balance or facility wide balances and deliver you a report filled with recommendations of how to achieve those goals and resolve those challenges. The scale of the study can be customized based on individual flow measurement points or nodes of the balance, areas of the plant, or process units to be evaluated. In addition, the scope of what is evaluated such as measurement uncertainty calculations, procedures, organization structure, technology selection and installation, and measurement practices is also customizable. Our experts work closely with you throughout the entire project stage from scoping, site data collection, report generation, and solution implementation. With industry leading expertise and technology, Emerson is your partner to achieving top quartile performance when it comes to reducing your losses or optimizing your processes.



## Expertise for critical hydrocarbon accounting and loss prevention areas including:

- Chemical: Facility Wide and/or Individual Process Unit Evaluations
- Oil and Gas Midstream: Terminals
- Refining and Petrochemical: Facility Wide and/or Individual Process Unit Evaluations

## Emerson offers a variety of studies that can be customized to include the following:

- Review of current hydrocarbon loss calculation approach and procedures
- Survey of major custody transfer points
- Facility-wide or process unit material balance audits
- Identification and quantification of areas where hydrocarbon losses are or may be significant
- Best practice methodologies for hydrocarbon loss estimation and custody transfer measurement including processes, organizational structure, measurement systems and tools, and business practices including contract management, risk assessments, hydrocarbon loss control, and data reconciliation



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## The value provided by Emerson's Mass Balance Consulting Studies:

- Identify and quantify the largest sources of uncertainty and financial risk in your mass balance system with a prioritized list of measurement points and calculated uncertainties
- Reduce financial risk and unaccounted losses with a prioritized action plan identifying the recommended procedures, practices, and technologies to improve your mass balance
- Close the gap between industry standards and current design and operating procedures with best practice recommendations and expertise
- Pinpoint losses, reduce financial risk, close financial books, track materials movement and/or optimize process units with improved data quality

## For more information:

Emerson's Loss Control and Mass Balance Consulting Studies are customized according to the client's goals and desired scope for evaluation. Please consult your local sales representative to find out more.



Emerson Lifecycle Services provides customers with the expertise, technology and processes that can help them operate safely, improve asset reliability and optimize process capabilities.

To ensure flow solutions and services are closer to our customers, Emerson operates a global network of sales offices, technical support, and accredited service centers. For the location of your nearest support center, or to contact Emerson about a specific request, please visit us at [Emerson.com/ContactUs](https://www.emerson.com/ContactUs).



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