Oil & Gas
Flow Metering & Custody Transfer

High Accuracy Metering
Comprehensive Control Systems
Applicable Standards Conformance
Liquid Metering

INTECH has the capacity to deliver reliable and accurate solutions for your metering applications ranging from high viscosity crude oils to cryogenic liquefied gases. Our skilled engineers posses the knowledge and competence to deliver all types of master metering, proving and calibration systems to ensure an accurate and dependable metering solution.

Liquid Metering Systems:

**Turbine Meters:** Simple, rugged and field-repairable, wide flow rangeability, good accuracy at low cost, quick and easy installation/serviceability.

**Coriolis Meters:** Highly accurate metering of direct mass flow, with no fluid density restrictions.

**Ultrasonic Meters:** Modern technology tried and tested for high pressure and high flow rate applications.

**PD Meters:** Wide range of flow rates and viscosities, proven technology.

**Helical-Turbine Meters:** Superior flexibility in terms of flow rate ranges, suitable for high-viscosity fluids, low pressure drop, cost effective to purchase, operate and maintain.

**Proving and Calibration:** Uni/bi-directional provers, compact provers, master metering, portable provers, water draw calibration systems.
Gas Metering

INTECH has the knowledge and experience to deliver high accuracy gas metering packages to meet your needs. It can provide vendor-neutral solutions based on your preferred technology, metering brand and other specific requirements. With diversified industry experience and deep understanding of applicable standards and certifications, INTECH can help you make the right technology choices for your next metering project.

Gas Metering Systems:

**Ultrasonic Meters:** High accuracy, stability, high turndown, wide capacity range, suitable for high pressure and high flow rate applications, low installation and operational cost.

**Orifice Meters:** Simple in design, easy to install and maintain, relatively accurate, wide capacity range, high pressure ratings, relatively low cost and mechanically robust.

**Turbine Meters:** Good accuracy over a linear flow range, good repeatability, low cost, high turndown.

**Venturi Meters:** Low maintenance, industry acceptance, suitable for wet gas.

**Coriolis Meters:** Direct mass flow measurement, insensitive to flow distortions, accurate, reliable, no wearing parts.

Sampling and Analysis

Representative produ type, be it standalone or mounted within the metering package itself, its careful integration is the key to the accuracy of the system.

INTECH can integrate real-time measurement of density, chromatographic composition, calorific value, H₂S, moisture and viscosity into your gas metering package with an associated filtration and conditioning system to maximize accuracy and reliability. Our thorough understanding of technologies, applications and standards will guarantee a measurement solution that will meet your technical specifications and deliver all of your project requirements.

- Careful Integration
- Total Solution
- High Accuracy
Control Systems

Metering control systems are the backbone of accurate fiscal metering. INTECH has been an expert at control systems for decades and can interface to any 3rd party supervisory or SCADA system, integrate PLCs and upgrade any legacy system while minimizing CAPEX/OPEX costs. Our advice can help you choose the best technology that meets your requirements.

INTECH Services

With INTECH’s Operations and Maintenance team, you can be assured of getting best in class diagnostics of your metering systems. Our lifecycle support ensures that your metering systems remain highly accurate with minimum maintenance down time throughout their service life. Our services include:

- Remote conditional and performance-based monitoring support
- Start up and commissioning
- Operations and maintenance training
- Vendor-neutral retrofit system upgrades
- Trouble shooting
- Data Management
WHY INTECH

If you are looking for a metering solutions provider that can:

▶ Ensure system reliability over lifetime while reducing cost of ownership
▶ Maximize system performance while controlling execution costs
▶ Optimally integrate and calibrate instrumentation with control systems
▶ Has an experience of working in challenging conditions
▶ Ensure data reliability

With more than 2000 engineering man years in the Oil and Gas community, INTECH is the answer to your needs. INTECH offers state of the art, highly accurate fiscal metering systems that guarantee quality, reliability and expertise in the solutions you get. INTECH is a “One Stop Shop” for reliable automation in the oil and gas community. We at INTECH believe that all solutions should be designed and built protecting the bottom lines.

Our experience includes controls on varied applications along with metering solutions and instrumentation. Our solutions are compliant with national and multinational regulations and standards like:
What Our Customers Say...

End User

Deputy Chief Engineer

EPC

OEM

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