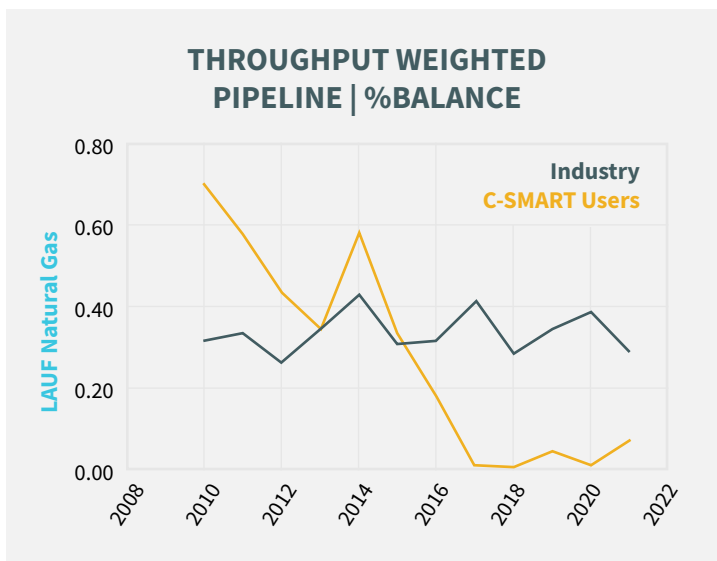# C-SMART

Identify, Quantify, Eliminate Natural Gas Measurement Errors

C-SMART Analytics provides automated real time diagnostic data analytics for natural gas measurement stations. C-SMART uses digital twins of your measurement stations and AI data analysis tools to provide the most sensitive and accurate error assessment of each individual meter run and station available today.

THROUGHPUT WEIGHTED PIPELINE | %BALANCE

Take LAUF Performance Much Further

While industry-average lost and unaccounted for gas has plateaued for the last decade according to EIA, C-SMART's users have outperformed by 80%.

Top Benefits for Gas Measurement Teams

◇ Automate gas measurement analysis with analytics built on OEM-agnostic digital twins

◇ De-risk gas measurements with continuous statistical analysis backed by NIST traceable data

◇ Harness the power of an AI analytics engine to generate continuous measurement improvement

◇ Boost error-catching sensitivity and speed for both catastrophic events and small errors hidden in the noise

◇ Capture the size and duration of measurement errors (intraday, daily, ongoing)

◇ Augment your team to monitor more assets simultaneously and manage by exception

◇ Shorten the time to resolve and fix errors, leading to real financial savings

◇ Maximize ESG certainty for accurate emissions reporting and methane fees

C-SMART Services
Uplifting Margins at Every Meter

You owe it to your bottom line and stakeholders to deploy C-SMART Complete to all of your capital intensive natural gas custody transfer measurement, check, and segment meter stations.

NEW! Developed with C-SMART's revolutionary AI-powered Complete service for ultrasonic custody transfer, C-SMART's new Measurement Verification Program (MVP) service expands coverage to all of your station assets with an affordable solution ideally suited for a much wider range of metering runs and technologies.

	C-SMART MVP Service	C-SMART Complete Service
Monthly Meter/Station Health Summary Report	✓	✓
Monthly Meter/Station Health Detail Report	✓	✓
Monthly Pass/Fail Listing of Meters	✓	✓
Access to Advanced Analysis Tools Via Secure Customer Portal	✓	✓
Event Email Alerts		✓
Event Website Access via Secure Customer Portal		✓
Event Status Tracking/Event Replay		✓
Error Quantification (Daily, Monthly, Cumulative Total)		✓
Root Cause Determination		✓
Corrective Action Instruction		✓
Monthly Webinar with C-SMART Team		✓
Access to C-SMART SME's		✓
Best Use Case	Smaller Volume Custody Transfer USM Stations Segment and Check USM Stations Multi-run orifice, turbine or rotary meter stations	Higher Volume Custody Transfer USM or Coriolis Stations Critical Segment and Check USM Stations
Savings Per Meter	$4,500	$45,000

Mix & Match for an Optimal Balance of Measurement Error Control

C-SMART's MVP and Complete services allow you to match the appropriate service to the importance of each meter run, bringing state-of-the-art analytics and error-catching benefits to an entire system.

C-SMART MVP
Your Key to Condition Based Maintenance

C-SMART MVP's monthly health check provides a baseline pass/fail condition for all of your meter station assets to quickly identify the 94% of healthy meters that require no further attention, allowing your measurement team to focus on the 6% that need further analysis.

Use C-SMART MVP to know exactly what equipment needs to be calibrated, inspected, or repaired before sending your technicians into the field, completely eliminating the need for scheduled visits and saving up to $4,500 in labor, fuel, and windshield time per meter per year.

Key Features

◇ Data aggregation and storage

◇ Customer secure website portal access to view and analyze data

◇ Automatic advanced comprehensive diagnostic data analysis

◇ Periodic or On-demand Meter System Verification reports

C-SMART Complete
Your Key to Eliminating Measurement Error

The C-SMART Complete service extends the value of C-SMART MVP with actionable data and intelligence at your fingertips that empower your team to bypass manual deep dive analysis and get straight to the root cause of an error, reduce resolution times by 60%, shrink total volume error by up to 9x, and save an average $45,000 per meter per year.

C-SMART's AI analytics engine continuously searches your metering diagnostics data identifying and quantifying measurement errors, triggering instant alerts, keeping you updated on errors, and recommending corrective action so your team can quickly and efficiently schedule on-site calibration and maintenance work. And rely on the complete suite of C-SMART Benchmarking and KPIs to give you the metrics to demonstrate the value of C-SMART and the performance of your measurement team.

Key Features

◇ Includes everything with C-SMART MVP service

◇ Error quantification

◇ Error root cause determination

◇ Error Status (New, Open, Closed)

◇ Error resolution and action plans

◇ 1:1 detailed review of measurement station errors

◇ Detailed Measurement KPI's and Benchmark Reports

◇ Access to additional SME Consulting

C-SMART

C-SMART Measurable Value to YOU

Measuring Your Success

The C-SMART Complete service also tracks your KPIs and compares benchmarks to other C-SMART users. These reports allow you to record gains and savings, drive continuous improvement, and optimize programs and performance over time.

2.5x Error Catching Sensitivity	**80%** Consistent LAUF Improvement	**55%** Decrease in Resolution Time
90% Less Site Time for Techs	**50%** Decrease in Meter Uncertainty	**$70M** Saved for C-SMART Users

SAVINGS PER METER

Chart: Savings Per Meter vs. Percent Automation. Data points: $7,691; $20,832; $15,387; $44,901. Y-axis from $(10,000) to $70,000. X-axis Percent Automation 0% to 100%.
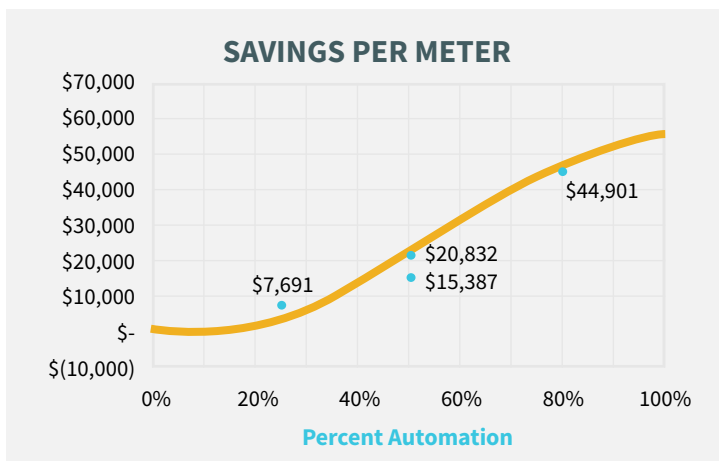
C-SMART Complete automates 80% of your measurement program to yield a $44,901 savings per meter per year when compared with the manual periodic site inspection and test paradigm. C-SMART Complete's automated analytics provide significant gains even where data collection, aggregation and dashboarding have already tapped into some of those gains from partial automation.

Ready to Up Your Measurement Game?

Sign-up for a free trial of C-SMART Analytics or subscribe today!

(877) 782-3376 ▪ info@c-smartanalytics.com **C-SMARTAnalytics.com**

10 Reasons to Act Now

◇ Save Money from Measurement Certainty

◇ Do More with a Shrinking Workforce

◇ Enhance Corporate & Stakeholder Value

◇ Minimize Prior Period Adjustments

◇ Improve Competitiveness & Customer Value

◇ Participate in Emerging Carbon Markets

◇ Avoid New IRA Methane Fees

◇ Sustainably Grow and Retain Customers

◇ Improve Reputation with Regulators

◇ Join the Rush to AI with Proven Tech

Additional C-SMART Benefits

◇ Unlimited data points per station

◇ Free training

◇ Free Annual User Group Attendance

▶ **Watch Video Now**