

# **Challenges**

- Lack of metering accuracy confidence
- Inconsistent or unreliable flow meter readings
- Discrepancies between ship and shore leading to commercial disputes or loss claims
- Delayed or incomplete reconciliation of product losses or unauthorized draws
- Inability to verify custody transfer integrity in real time, increasing operational and financial risk
- Lack of audit-ready documentation for regulatory or partner review
- Limited visibility during high-value transfers across truck, rail, or marine operations

880M+ Barrels of Crude Validated with ValiChex™

## 

FloSeer is a Houston-based technology company focused on improving clarity and accuracy in fluid transfer operations across the energy industry. Our team brings decades of expertise in flow metering, automation, and project execution, delivering solutions that boost accountability, efficiency, and insight.

We are committed to innovation, operational excellence, and lasting client partnerships, helping solve complex challenges with confidence and precision.

#### → Get in Touch

Have questions or want to see a demo? We are here to help you find the best solution for your needs.

#### **Contact Information**

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Scan for more information



## What Is ValiChex™?

ValiChex<sup>™</sup> is FloSeer's intelligent software solution for validating bulk liquid transfers with unmatched accuracy. Designed for terminals, refineries, and logistics operators, ValiChex<sup>™</sup> monitors every loading event from tank level to ticket.

By analyzing both tank level data and flow meter readings in real time, ValiChex<sup>™</sup> ensures accurate transferred volumes at the custody transfer point. It performs a continuous material balance between tank inventory changes and flow data, automatically identifying discrepancies such as leaks, mismeasurements, or unaccounted loss. Calculations are performed in compliance with API or ISO standards, as appropriate.

### **Features**



Automated Ticketing - Generate accurate custody transfer compliant tickets based on tank level changes in real time at the point of oil movement.



**Real-time Volume Reconciliation** - Compare tank-based and flow meter readings to detect discrepancies.



Recalculation and Error Correction -Corrections with full audit and traceability for any event within the last 14 days.



**Alerting and Reporting** - Flag discrepancies, generate audits, and export reports instantly.



**Vendor Neutral** -Seamless connectivity with SCADA, DCS, LIMS, IMS & PLC Systems with industry standard communication protocols.



API and ISO compliant calculations.

A reduction in metering uncertainty of 0.1% provides a saving of 67K USD per 1 Million BBL (where \$67 / US BBL)

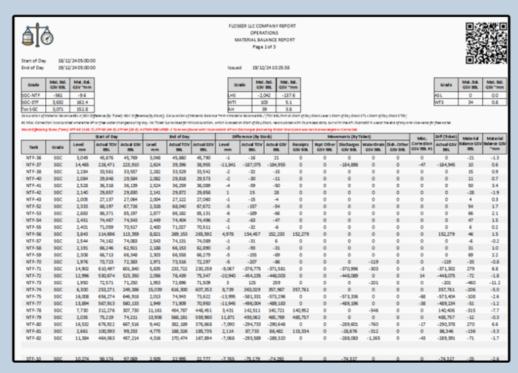
## **Benefits**

- Validation Ensure accurate real-time
   validation of tank volumes and transfers
   even without a metering system by
   detecting drift, spreadsheet errors, and
   mismeasurements to maintain.
   compliance, and optimize throughput
- Dispute Resolution Enables contracts to leverage ATG (Automatic Tank Gauging) as an independent check, reducing friction in custody disputes.
- Expose and Reduce Uncertainty Reduce uncertainty by validating existing measurements, detecting consistent discrepancies, and enhancing confidence.
- Leak Detection Detects leaks, passing valves, and potential theft by identifying discrepancies between flow and tank level data in real time.
- Backup System ValiChex<sup>™</sup> can act as the primary system in case of a failure of your Flow Metering System by utilizing tank levels for custody transfer.

# Reports

A selection of sample reports highlights ValiChex's<sup>™</sup> capabilities in detecting loss, verifying flow, and documenting transfer integrity.

#### **Example Tank Material Balance Report**



#### **Example Daily Summary Report**

