TRUFLOW™ Powered by DCS



The Lab, On Your Pad.

Independent, real-time measurement of how your frac fluid actually performs on location.

01 THE WHY

Understand the need for real-time fluid measurement and that TruFlow™ delivers visibility into fluid performance for data-informed decisions.

02 THE HOW

TruFlow™ measures fluid properties on location, integrates with existing frac operations, and delivers real-time data through DCS360™ and compatible platforms.

03 THE VALUE

Discover the field support, engineering expertise, and deployment process that make TruFlow™ a practical, data-driven solution for optimizing fluid performance.

01 The Why

Purpose Behind TruFlow™

The Limitations of Pressure-only Feedback and Delayed Lab Testing

Pressure only tells you half the truth. Today, the only live feedback on a frac fluid system is treating pressure. But pressure is a function of formation just as much as chemistry. When it climbs, it is hard to be certain what caused it, so friction reducer loading gets set as an input and left alone or bumped up as insurance.

TruFlow™ measures what the fluid is actually delivering — friction reduction, viscosity, sand loading, and water quality — live on your pad, so you can tell the difference between a formation change and a chemistry change. The result is more economical wells and better-performing fluid systems.

7 fluid properties measured

1 common timestamp

0 crew involvement

24/7 review and support

Seven Measurements. Seven Answers You Could Not Get Before.

Measurement	Method	Why It Matters
Friction Reduction vs Baseline	In-line flow loop	Confirm the FR is performing at the loading you are paying for
High-Shear Viscosity	High-shear viscometer	Verify fluid behavior in the pipe and through the perforations
Low-Shear Viscosity	Unique low-shear viscosity solution, correlated to Fann 35	Verify the fluid's proppant transport and suspension capability
Fluid Density & Sand Loading	Coriolis meter and high-shear viscometer	Verify proppant concentration matches the schedule
TDS & Hardness	Conductivity sensor with TDS & hardness correlation	Track & flag water quality that works against polymer performance
pH	pH meter	Monitor chemistry compatibility and stability
ORP	ORP meter	Monitor oxidizer presence for polymer degradation

Measuring your Fluid System's True Performance, Live in the Field

Every property TruFlow™ reports is one you would normally learn from a laboratory: a friction flow-loop result, a Fann 35 viscosity, a water quality panel. Getting the data requires catching a sample, shipping it, and waiting days for a number describing fluid that no longer represents the job.

TruFlow™ runs those same measurements continuously at job conditions — the real water, chemistry, temperature and shear — timestamped against your treatment data. No modeling, no inference from pressure. Just the measured value, while the stage is still pumping.

02 | The How

Technology & Integration | The equipment, measurements, and data flow

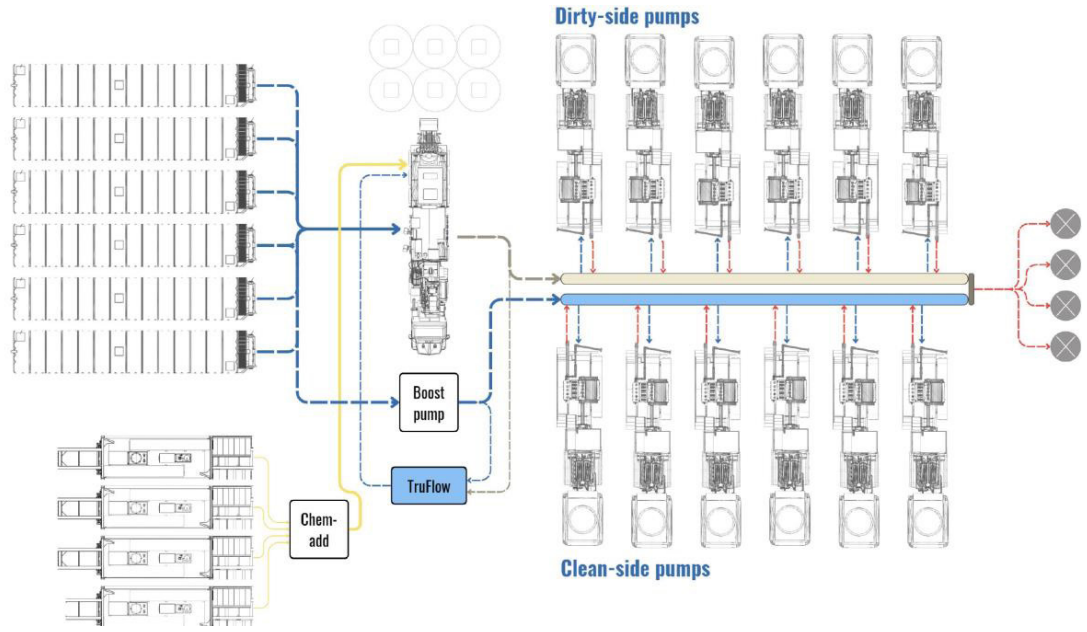
How TruFlow™ Works on your Pad.

Measurement accuracy is fully dependent on the ability to measure the representative fluid going downhole. The TruFlow™ unit rigs up on the low-pressure side of the blender, with variability to accept multiple different types of fluid systems based on your job's requirement. It is delivered to location on a self-contained skid, powered by solar and an on-board battery, with a DCS-supplied generator for extended periods without sun.

TruFlow™

Typical Pad Layout

TruFlow™ (blue) draws from the blender discharge and, where applicable, the clean and dirty supply lines.



1 | Sample

A skid on location pulls a continuous slip-stream of treated fluid downsteam of all chemical injection.

2 | Measure

Real-time rheology of the as-pumped fluid: how it behaves under flow & shear, not just what was dosed.

3 | Stream

Readings stream to the datavan and DCS360, lined up with rate, pressure & FR loading.

4 | Act

Adjust loadings or chemistry mid-stage; every stage builds the baseline for the next pad.

Equipment on Location

The TruFlow™ unit is designed to work on traditional single-blender setups, as well as split-missile configurations. With independent inlet ports for both clean and dirty streams, the unit is equipped to blend 2 separate streams on the fly to ensure the fluid being measured is representative of the fluid going downhole.

The TruFlow™ prototype unit is built into a 12' enclosed trailer. The asset is equipped with on-board battery backup power, and can run on a standard 120-volt outlet.

	Side View	Rear View
Exterior View		
Interior View		

Key Benefits

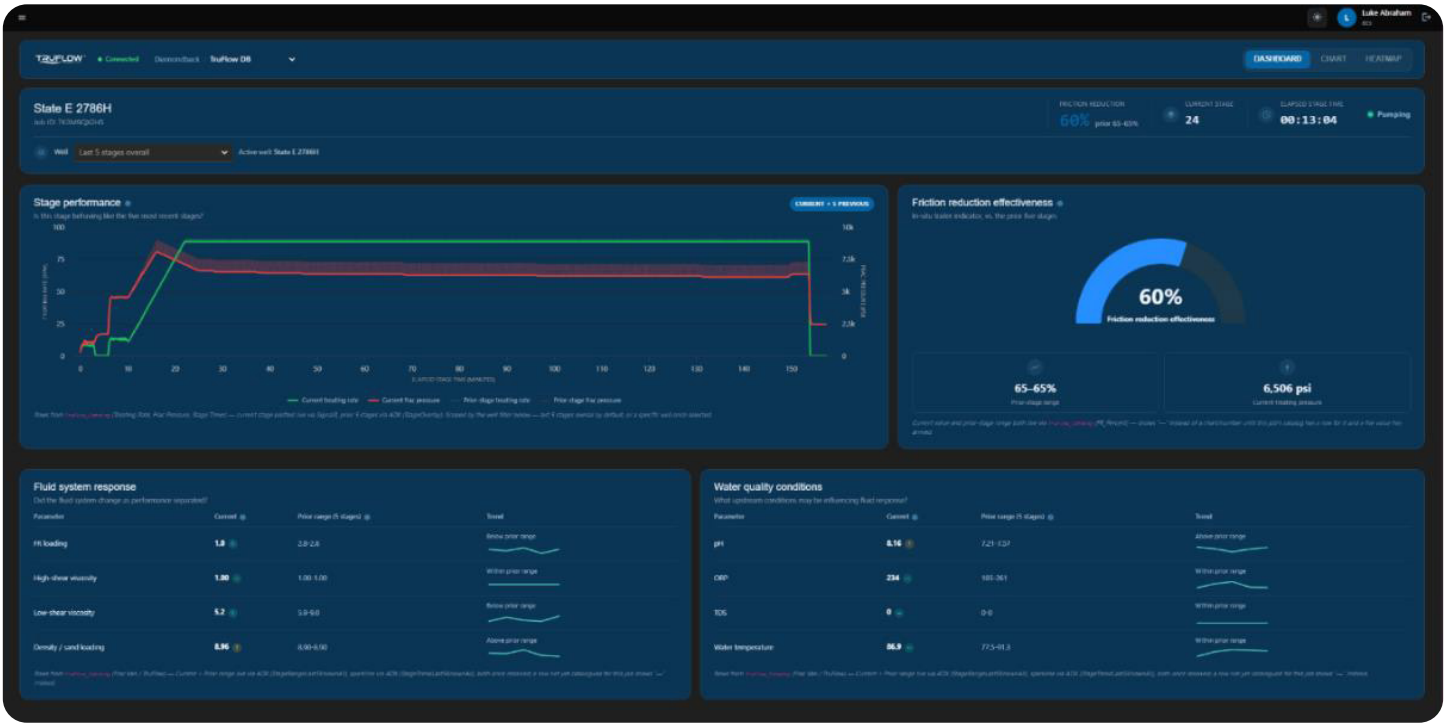
- Better-Informed Decisions
- Improved Fluid Performance
- Optimized FR Loading
- True Insight into your Well

DCS360™

DCS360 is a proprietary client application developed for visualizing frac data to optimize fluid chemistry & frac performance.

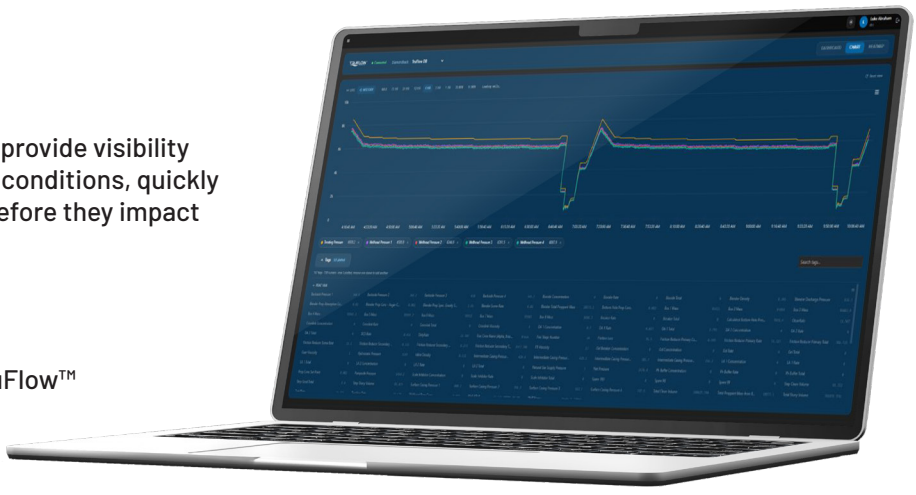
TruFlow™ Dashboard within DCS360™

TruFlow helps quickly identify performance trends by comparing current results against recent stages. By detecting changes in your fluid system and isolating shifting variables, it empowers teams to make faster, more informed decisions.



TruFlow™ Customizable Real- Time Visualization

TruFlow offers customizable, real-time plotting to provide visibility into the data that matters most. Monitor changing conditions, quickly identify anomalies, and address potential issues before they impact performance.



Your data where you need it.

Data is transmitted bi-directionally on pad; the TruFlow™ unit sends measured data to the data van and receives frac operating data in return. The aggregated data is streamed to DCS's secure portal and visualized in DCS360.

03 | The Value

Service, Support & Deployment

01 | Rig-up, rig-down & pad moves

The DCS field support team owns the full lifecycle: rig-up, verifying data communications with every piece of equipment on location, rig-down, and moving the skid between pads.

02 | Weekly service

A DCS technician performs scheduled weekly maintenance and calibration, typically in 1 to 2 hours and coordinated around your operations.

03 | Split-stream ready

Multiple inlets allow TruFlow™ to match the clean-to-dirty ratio of your downhole design, so the measurement describes the exact fluid the formation receives.

04 | Data where you want it

TruFlow™ and frac data are synced to a common timestamp and accessible remotely through DCS360 (web, iOS, Android), live in the data van, or via third-party platforms like IWS and Corva.

05 | Interpreted by people who understand the chemistry

DCS chemical and fluid engineers review performance stage by stage to provide the feedback and analysis needed to make an informed decision on the next stage. Recommendations are grounded in measurement, not convention. At rig-down you receive a pad-level data review and KPI summary.

The DCS Standard

The technology & services backbone behind every DCS job

View The DCS Standard
Scan for the full overview



Lab Services
Ensuring Chemical Excellence

Remote Operations Center
Highly trained, expert remote & field support teams managing your job 24/7

Complete Operations Support
Facility-to-field continuity with engineering in every facet

Remote Job Visibility
Client data & access through DCS360 app

Expert Engineering Support
More than a rep. Your completions chemistry expert.

The DCS Foundation™

Invested in Our People, Committed to Your Success

Training & Development

A structured development program keeps our team ready to deliver the best service possible.

Customer impact: consistent execution on every job, with fewer surprises on location.

HSE

An excellent safety training program backed by a strong track record keeps our people safe.

Customer impact: our crews contribute to the safe operation of your location.

ESOP

Employee ownership builds a common owner mentality across the company.

Customer impact: every employee is motivated to deliver the best possible service on your job.

DCS Downhole Chemical Solutions

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