LIBERTY DIGITAL ECOSYSTEM

Integrated Software Powering Intelligent Completions

WHAT IS THE DIGITAL ECOSYSTEM

Liberty's Digital Ecosystem is a comprehensive network of proprietary software, data systems, and human expertise that connects equipment, crews, and logistics across the completions lifecycle.

From real-time pump control and equipment health monitoring to wireline automation, logistics forecasting, and centralized data access, the ecosystem transforms raw field data into actionable intelligence—enabling safer execution, greater efficiency, and lower total cost of energy production.

PRIMARY PIECES OF THE DIGITAL ECOSYSTEM

- ■ People
- ■ Frac Operations
- ■ Wireline Operations
- ■ Proppant & Logistics
- ■ Data Collection & Analysis

STIMCOMMANDER

StimCommander is an automated pump control software that optimally manages equipment through condition-based operations, monitoring temperature, pressure, load, and fluid-end health. It automates rate and pressure to maintain treating limits, provides active pressure management, and can control shutdowns for safe, reliable execution.

ATLAS

Atlas is a centralized digital platform that delivers real-time operational data from the field directly to customers and Liberty teams, improving visibility, connectivity, and service quality across completions operations.

THE HIVE

The Hive adds a human layer to our digital equipment monitoring. Non-operators, supported by AI and machine learning, review FracPulse data and equipment to optimize operations and ensure healthy operating conditions.

FRACPULSE

FracPulse delivers continuous, real-time monitoring of critical equipment to ensure high-quality operations and optimal maintenance. Using AI and machine learning, it detects anomalies early and anticipates equipment issues before they cause downtime, proactively notifying mechanics and enabling maintenance planning around job schedules.
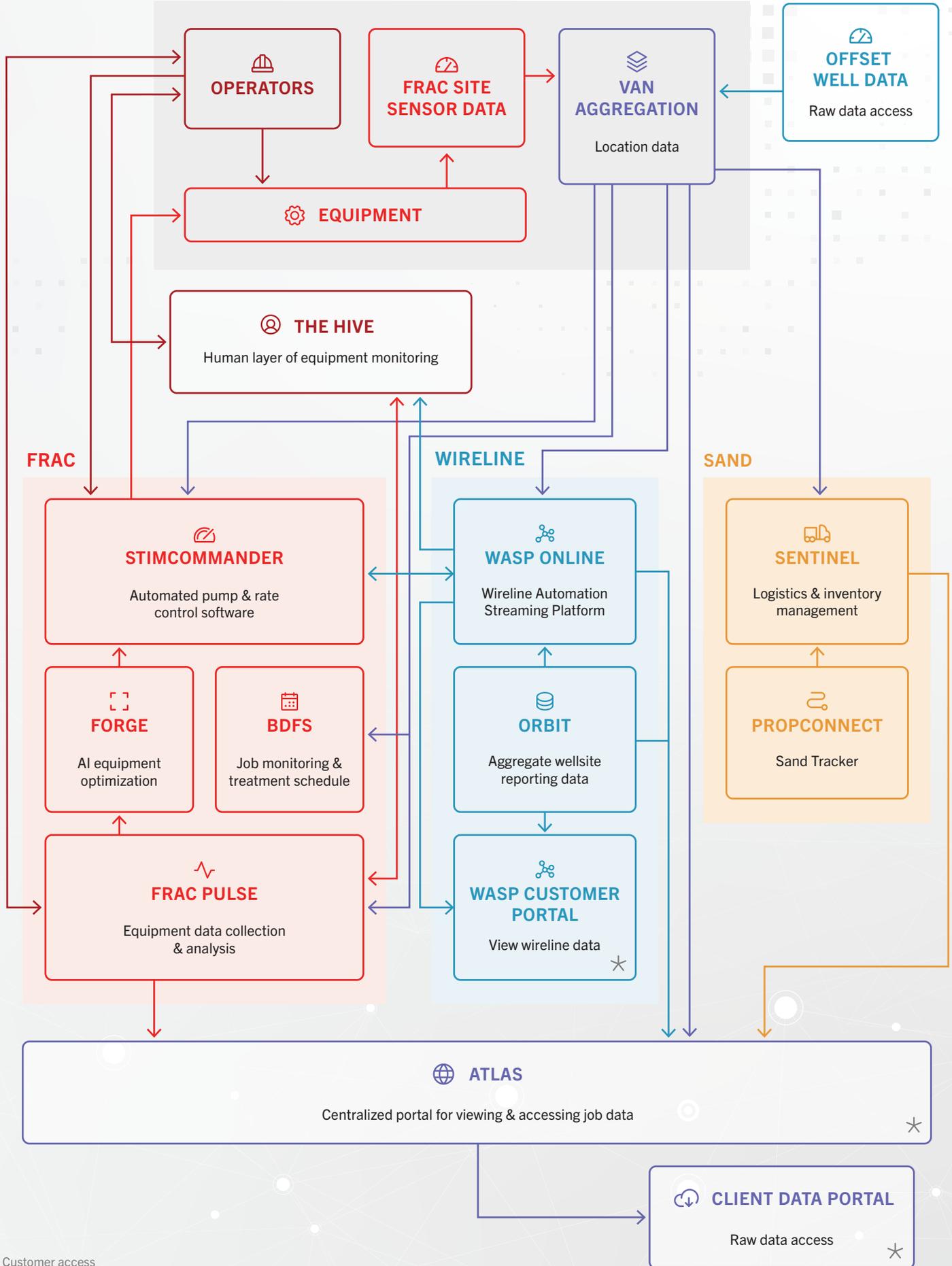
SENTINEL

The Sentinel logistics platform uses real-time field data and predictive analytics to forecast on-site proppant needs up to 24 hours in advance. By integrating inventory levels, consumption trends, truck locations, facility wait times, and other factors, Sentinel optimizes proppant delivery for uninterrupted operations.

WASP ONLINE

The Wireline Automation Streaming Platform (WASP) consolidates wellsite reporting and streams pumpdown data in a centralized platform complete with a customer portal.

LIBERTY LOCATION

OPERATORS

FRAC SITE SENSOR DATA

VAN AGGREGATION
Location data

OFFSET WELL DATA
Raw data access

EQUIPMENT

THE HIVE
Human layer of equipment monitoring

FRAC

WIRELINE

SAND

STIMCOMMANDER
Automated pump & rate control software

WASP ONLINE
Wireline Automation Streaming Platform

SENTINEL
Logistics & inventory management

FORGE
AI equipment optimization

BDFS
Job monitoring & treatment schedule

ORBIT
Aggregate wellsite reporting data

PROPCONNECT
Sand Tracker

FRAC PULSE
Equipment data collection & analysis

WASP CUSTOMER PORTAL
View wireline data ★

ATLAS
Centralized portal for viewing & accessing job data ★

CLIENT DATA PORTAL
Raw data access ★

★ Customer access

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