



Ideal eFrac Fleet

NOV has designed the next-gen frac fleet to meet the challenges of today—and tomorrow.

Conventional frac operations are less than ideal. The worksites are complex and often chaotic. Fleets require large amounts of fuel, maintenance, and on-site support. Equipment and personnel are continuously pushed to their limits. The Ideal™ eFrac fleet offers a clean, efficient, complete solution for pressure pumping operations. It's advanced, but rugged. Comprehensive, but streamlined. And it can help you increase production while reducing our impact on the environment.

Ideal eFrac Fleet Versus Conventional Options





Ideal Value

The Ideal eFrac fleet provides long-term value through improved rig-up time, increased power density and asset utilization, and reduced maintenance and operational cost, head count, and nonproductive time. More power options — grid, single turbine genset, multiple turbine genset, and more — allow you to choose the best source for your operation. More power options offer flexibility now and in the future to choose the best source for your operation.

Ideal Intelligence

Integrated next-level machine intelligence is in the very DNA of the Ideal eFrac fleet. Remotely operated equipment and fully automated processes, coupled with our intelligent machine monitoring and analytics, maximize production, minimize non-productive time, and reduce personnel risk.

Ideal Simplicity

The Ideal eFrac fleet is engineered with simplicity in mind. It offers the fewest electrical connections and the least amount of cabling in the industry. Our Ideal Smart Manifold eliminates the guesswork of rigging up, and significantly simplifies the cable management system on location. And since the Ideal eFrac fleet incorporates significantly fewer units, your team can spend less time rigging and more time pumping. With the fewest electrical connection and the least amount of cabling in the industry, rig up and down are similar to that of a conventional fleet.

Ideal Safety

Safety defines the design of the Ideal eFrac fleet: An organized layout and workspaces, with no elevated operator platforms. Mechanical assistance for heavy or cumbersome operations. Engineered fail-safes that protect against accidental electrical exposure during rigup and operation. Unmanned and remotely monitored pumping operation capable, minimizing proximity to the red zone and adhering to CFR 1901.1053 regulations.

Your Ideal Partner

For decades, NOV has been the industry leader in completions equipment and technology. The combined experience of brands — including Rolligon, Enerflow, APPCO, MISSION, and more — and our unmatched engineering expertise make NOV an ideal partner for your operations.

Complete fleet includes:

- Mobile 13.8-KV generator with support up to 50K hp
- 13.8-KV mobile substation complete with breakers and necessary controls
- Large-bore distribution trailer with integral electrical controls and breakers
- Up to ten 5,000-hp fracturing pumps with integrated transformers and low harmonic variable speed drives
- Full-electric control van with battery backup for remote operation of frac fleet
- Process plant with integrated redundant systems includes:
 - 150-BPM dual blender with optional slip stream
 - Modular auger system
 - Optional 300-BBL hydration trailer
 - Optional dry additive unit (DAMU)

1. When using turbine power run off wellhead natural gas.
2. Estimated, based on reduced maintenance requirements of electric motors, turbines, and drives compared to diesel engines, transmissions, and hydraulic systems used by conventional frac fleets.
3. Based on reduction in required fleet size.
4. 74% reduction when comparing eFrac fleet vs T4 fleet + flaring gas.