

SAVE \$1M+ A YEAR* WITH 3 SIMPLE, INTEGRATED WELL SERVICE TECHNOLOGIES

PEMS

\$512K SAVED by
better understanding pump
health to avoid failures



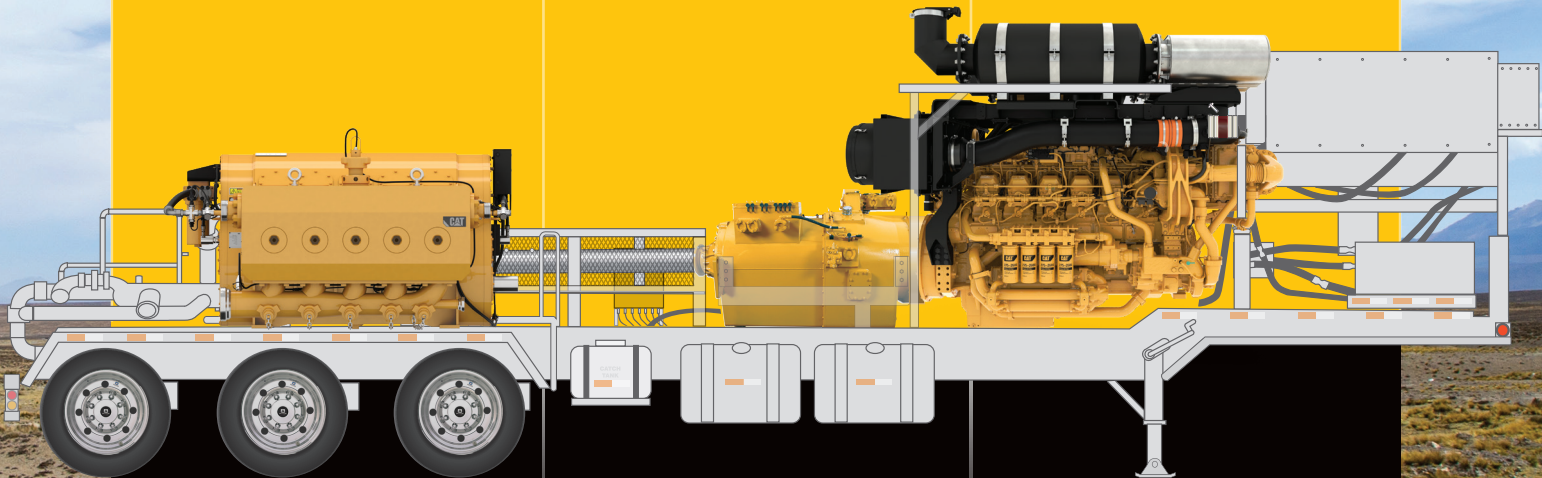
DTOC

\$192K SAVED by
reducing the amount of fuel
used while pumping



EIRS

\$320K SAVED by
reducing the amount of fuel
and maintenance



Pump Electronic Monitoring System

- Alerts operators to cavitation, valve leaks or other problems
- Helps you avoid failures & downtime
- Integrates with all industry-standard controls

Dynamic Transmission Output Control

- Automates operation for more precision in low-flow situations
- Chooses most fuel-efficient gear/engine speeds
- Makes pressure testing wells safer & more accurate

Engine Idle Reduction System

- Eliminates unnecessary idle time for frac engines between stages
- Results in less time & money spent on maintenance
- Enhances jobsite safety by lessening the need for personnel to be near the equipment

**Annual cost savings assume a 16-unit frac rig fleet.*

For more information, visit cat.com/oilandgas.

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