

APPLICATION

EcoCell® is an energy management system that leverages battery stored energy to optimize fuel efficiency and emissions. Our EcoCell® unit delivers a sustainable solution in any drilling application regardless of current infrastructure limitations. The system provides improved and immediate power in crucial drilling situations aiding operations. EcoCell® logic automatically stops and starts engines maintaining optimal load ranges to achieve the best possible fuel economy & emission levels. Our self-contained portable design involves no additional rig move time along with minimal interaction with ongoing operations. EcoCell®, in conjunction with our PTEN+ Portal, delivers real-time fuel savings and emissions reduction insight as well as post-well reporting tailored to our customers' needs. The EcoCell® hybrid battery system is a unique component of our customer commitment to leading sustainable solutions at Patterson-UTI.



FEATURES

- Flexibility to displace 4th generator
- Integration into CORTEX® Control System
- Stores over 500 kW - hours of energy
- Capable of proving 1.5x more power than a generator at full load
- Diesel, Dual Fuel, and Natural Gas Compatibility
- Designed for easy integration with APEX® rigs
- Fully automated system

BENEFITS

- Reduces fuel consumption
- Custom reporting tailored to our customers' sustainability needs
- If utilizing Dual Fuel, EcoCell® will maximize substitution rates, dramatically improving diesel savings
- Emissions Reduction
- Extended maintenance intervals due to reduced engine run hours
- Improved power quality and response time (instant power available)