The rigorous pace and resources required for fracturing operations, especially shale fracturing, can intensify operating conditions while our expectation for superior service quality and HSE performance continue to grow.

Halliburton's new ROCC centers are designed to help meet these challenges in several ways.

- Support real-time decision-making. The ROCC centers smoothly integrate multiple data sources to support decision-making based on immediate well and treatment conditions, including the monitoring and coordination of multiple services.

- Enhance technical oversight. Remote monitoring and control improves collaboration of operator and service company experts to obtain the best results possible.

- Reduce HSE exposure. Remote control helps reduce the number of personnel traveling and the number of personnel required at the wellsite.

- Promote knowledge transfer. Personnel new to the industry or to a particular area can quickly learn the best practices for completions in the region. Operations in emerging plays can leverage expertise and experience in more established reservoirs.

- Drive excellence in service quality. Experts monitoring every aspect of the treatment help to reduce nonproductive time (NPT).

Halliburton’s ROCC facilities provide an environment that enables senior personnel to collaborate on a treatment without traveling to the job site. The treatment can be occurring in virtually any location in the world.

The ROCC system provides live video monitoring of key functions occurring at the wellsite.
ROCC Center Capabilities
An ROCC facility provides control and monitoring capabilities for significant aspects of the treatment while other aspects are monitored and controlled at the wellsite.

ROCC Facility Monitor and Control
- Job rate
- Pumps
- Blender
- Sand concentration
- Additive rates
- Stage advances

ROCC Facility Monitor
- Bulk inventory
- Equipment health

Wellsite Monitor and Control
- Wellhead valves
- Low pressure fluid valves
- Sand rate

Wellsite Monitor
- Base fluid inventory
- Bulk transport

Setting up for remote control operations is straightforward requiring a satellite connection with high speed service (>1Mbps).

During the treatment, visuals of the job site are supplied via multiple video feeds to access these areas:
- High pressure area
- Sand delivery, belt and hopper
- QA chemical area

Pan, tilt and zoom controls are available for manipulating the cameras. Each station is equipped with overhead displays and individual video feeds.

For more information about how the ROCC™ facilities can help improve overall treatment results and quality of life for key personnel, contact your local Halliburton representative or email stimulation@Halliburton.com.