

VERA

More control. Greater insight.
Safer operations.



VERA™, NOV's variable electric ram actuator, marks a step change in the industry's approach to well control. Built on more than a century of blowout preventer (BOP) innovations—including the first 20,000-psi BOP—VERA replaces traditional hydraulics with precise electric actuation and intelligent software, delivering new levels of reliability, control, visibility, and performance.

VERA isn't just an upgrade; it's a breakthrough in electric well control. By reducing hydraulic components and simplifying infrastructure, our next-generation electric BOP actuator boosts uptime, reliability, and efficiency. It eliminates hydraulic pods and HPU accumulators, potentially reducing the subsea stack weight by up to 25%.

Coupled with our unmatched Low Force Shear Ram – Generation 5 (LFS-5), VERA enhances our industry-leading shearing capability. Together, they provide the proven strength you need to manage the most demanding well conditions.

Along with control, VERA gives you insight. With real-time data on ram position, speed, and force, you don't just know that the actuator worked—you know how it worked. This visibility enables smarter maintenance, faster troubleshooting, and better decision-making.

VERA is reshaping well control operations by delivering the control, reliability, and data-driven insights that today's drilling environments demand.

Features and Benefits

- Replacement of hydraulics improves reliability with reduced maintenance
- Coupled with the LFS-5, delivers the best shearing force on the market
- Delivers shear force equal to or greater than hydraulic systems
- Battery operated
 - Up to 100 cycles with less space than accumulators
 - Trickle Charged
- Retrofittable on existing BOP, full door replacement
- Eliminates the need for accumulators and hydraulic pods, decreasing the weight of the subsea stack by up to 25%
- Data provides feedback on position, force, and performance for advanced monitoring and higher uptime

