

# SmartROS™

## RIG OPERATING SYSTEM

The SmartROS™ platform leverages innovative technology for optimal performance. This system is developed by drillers for drillers and can be easily scaled across your rig fleet, regardless of manufacturer.

[nabors.com](http://nabors.com)



### Activity Based Workflow

The SmartROS™ modular rig operating system features intuitive, icon-based navigation screens that adjust based on current rig activity. This system includes the SmartPLAN™ platform which provides step-by-step guides through the well program and rig action plan. The system standardizes workflows and integrates best practices, automation and process recipes to improve drilling efficiency.



### Integration

Through the full integration of smart features on a single interface, operators can leverage the features of SmartNAV™, SmartSLIDE™, RSS downlinking and ROCKit® applications for automated directional drilling and controls. This customization also supports integrated casing running services, managed pressure drilling, and SmartDRILL™ system to automate and standardize on and off bottom best drilling processes.



### Automation Framework

Built around a state-of-the-art robotics sequencing framework that enables the automation of repetitive tasks, the system provides the ability to tailor automated processes per the varied operations requirements.



### Platform

The industrial controls systems implement the ISA 18.2 Alarm Engine standard that alerts on any potential issues. The process includes an OSI PI Historian that monitors and records events, and integrated reporting tools. Nabors has also developed a framework to test and deploy SmartROS™ platform on global rigs. The standardization and automation around the code-build process delivers consistency, scalability and reliability across varied rig types.



### Recipe Manager

This product also supports a novel recipe manager that can be triggered by planned depths. This unique feature assists in the standardization and optimization of operations and automation per preplanned events and conditions.



### Support

The SmartROS™ system is supported around the clock by a team of highly trained personnel at RigLine™ 24/7 and Nabors support engineers. The SmartDOC™ system setup allows digital engineers to monitor the rig at all times providing updates to the SmartPLAN™ program and recipes during the entire process of well manufacturing.