



# Procedure-Authoring Tool Improves Safety on Oil Rigs

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## NASA Technology

- ◆ Procedures, or detailed lists of step-by-step instructions, guide every aspect of NASA operations, especially in human spaceflight
- ◆ Traditionally, procedures have been printed on paper, but recently NASA has shifted to digital formats for current and future planned missions

## Partnership

- ◆ TRAC Labs developed tools for authoring and managing procedures under multiple Small Business Innovation Research (SBIR) contracts
- ◆ The resulting software tools have been used to author procedures for the International Space Station, project Morpheus (a prototype lander), and the Orion Multipurpose Crew Vehicle

## Benefits

- ◆ TRAC Lab's software is the Procedure Integrated Development Environment (PRIDE), a suite of tools that eliminate much of the tedium in procedure authoring and organization
- ◆ PRIDE is now used within the oil and gas industry to increase safety in oil rig operations and to provide better information for auditing purposes