

RiskGuard analysis and risk management solutions

Reduce risk and cost across all project phases

Applications

- Projects with significant risks, hazards, and challenges that increase NPT/ILT and elevate costs
- Well construction operations requiring more proactive contingency plans
- Wellbores with higher instability risks that threaten project objectives and targets

Features and Benefits

- Gain integrated drilling, completions, and production advice from multi-disciplinary teams of Subject Matter Experts (SME)
 - Identify root causes of problems
 - Leverage existing studies and a deep pool of knowledge and application expertise
 - Design strategic plans and fit-for-purpose solutions
- Clarify understanding of challenges and risks for proactive execution
 - Reduce uncertainty
 - Deliver stable wellbore for evaluation and completions
 - Improve efficiency and HSE performance

RiskGuard™ analysis and risk

management solutions combine Baker Hughes subsurface services, engineering technologies, and application expertise to deliver projects with greater certainty, minimal risk, and lower non-productive time and invisible lost time (NPT/ILT).

RiskGuard solutions combine expert service and technologies in geomechanics, drilling, drill bits, fluids, completions, and integrated well services and solutions.

Each project gets its own carefully selected, highly proficient RiskGuard team, who brings their expertise to the specific challenges of the assignment. Using defined processes and cutting-edge tools and software, the team efficiently executes integrated solutions with less downtime and risk.

Each project is also assigned a RiskGuard Program Manager. This single point of accountability manages all aspects of the RiskGuard process, freeing up the customer to focus on key operations, without having to manage the activities of numerous independent service providers.

The result: high-quality wells delivered with greater predictability and safety, and without the downhole risks that often raise costs and compromise project delivery.

Identifying root causes through well-defined workflows

The RiskGuard process starts with a deep-dive risk assessment. The multi-disciplinary RiskGuard team

of experts incorporate drilling, geomechanical, subsurface, and reservoir studies to identify all potential risks and hazards during well construction. With this assessment as a guide, the team develops a detailed drilling and completions plan that mitigates risks throughout all project phases.

Too commonly, risk mitigation processes only identify the symptoms of a problem. Symptoms can include incomplete hole cleaning, tight hole, stuck pipe, and inability to run liners to TD. Approaches like this often miss the root causes, resulting in repeated, reactive responses that limit wellbore quality.

RiskGuard solutions goes farther, rooting out root causes to define a safe operating window at each step of well construction. The solutions also guide the development of proactive mitigation strategies that alleviate risks as they arise.

Proactive responses with real-time operations

During project execution, the team uses fit-for-purpose technology solutions and advisory services to monitor drilling in real-time. By analyzing downhole data and tracking wellbore behavior during drilling, RiskGuard solutions help identify and mitigate unexpected risks and hazards, efficiently and accurately, before they progress to become bigger problems requiring costly, time-consuming solutions.

Collaboration throughout the project lifecycle

Collaboration is the key to success with RiskGuard analysis and risk mitigation solutions.

Too often, project teams work in silos, which increases the likelihood of misunderstandings and conflicts that leave gaps in an effective strategy.

The RiskGuard multi-disciplinary SME team breaks down silos to collectively develop a deeper understanding of the wide spectrum of challenges, and the contributing variables, facing a project.

Through seamless, integrated collaboration across all phases of a project, and from initial planning to ongoing production, RiskGuard solutions greatly increases the chance of project success and exceptional asset performance for the long term.

To find out how the exceptional service delivery of RiskGuard solutions can maximize your asset value with minimal risk, contact your Baker Hughes representative.

