

Subsurface Advisor™

Intelligent subsurface drilling solution



A cloud-native solution that unifies subsurface workflows and delivers real-time automated insights for faster decisions.

Applications

- Integrates petrophysics, geology, geosteering, reservoir, and drilling workflows into one unified ecosystem.
- Supports pre-job well placement design, scenario evaluation, and execution planning.
- Delivers real-time formation evaluation, surface-logging visibility, and LWD data interpretation during operations.
- Enables adaptive well placement execution with real-time risk assessment and mitigation.

Features

- Automated multi-domain workflows for end-to-end subsurface planning and execution.
- Continuous earth model updates with context-aware insights across domains.
- Cloud-native architecture with secure, governed data sharing through the Delfi™ platform.
- Intuitive, role-based interfaces designed for subsurface disciplines.
- High-performance compute for AI/ML-driven interpretation and large-scale data processing.
- Flexible workflow editor supporting customization and new process integration.

Benefits

- Accelerates subsurface understanding, reducing cycle times and operational risk.
- Breaks down discipline silos for faster, higher-quality decision-making.
- Automates data handover and analysis from pre-job to post-job.
- Reduces non-productive time (NPT) through early risk prediction and operational monitoring.
- Seamlessly scales on demand, from small teams to large projects.
- Facilitates collaborative innovation between customers and SLB within an integrated digital workspace.

How it improves performance

Subsurface Advisor unifies all subsurface disciplines into a single, real-time environment, allowing teams to execute based on high-quality insights during real-time operations instead of waiting for post-operation reviews. By reducing the friction created by disconnected tools and siloed workflows,



Subsurface Advisor geosteering workflow

it accelerates the time from data acquisition to interpretation and ensures all stakeholders work from the same consistent and up-to-date information.

Through automated interpretations, digital re-rendering of domain outputs, and direct integration with autonomous drilling systems, Subsurface Advisor minimizes manual effort and shortens decision cycles. The platform enhances collaboration, improves execution consistency, creates full digital traceability, strengthening operational quality and enabling faster, more informed decisions across wells, shifts, and geographies.

Designed as a user-centric solution, Subsurface Advisor delivers personalized insights, intuitive tools, and real-time operational updates that help teams monitor activity as it happens and respond quickly to changes. This improves collaboration, enhances operational quality, and supports more confident placement and risk decisions throughout the well-construction process.

What it replaces

- Standalone or legacy subsurface software for each discipline.
- Manual, spreadsheet-based workflow tracking and reporting.
- Siloed databases and disparate communication tools.
- Delayed or asynchronous earth model updates.
- Facilitates collaborative innovation between customers and SLB within an integrated digital workspace.

Additional information

Subsurface Advisor™ is built on SLB real-time cloud infrastructure services, with access governance and administration enabled by the Delfi™ digital platform. The solution forms part of a fully integrated well-construction engineering solution, transforming the formation evaluation, surface logging, and logging while drilling (LWD) experience. It uses cloud technology to automate workflows across all SLB well construction measurement disciplines.