

Transform collaborative workflows

The Inside Reality® 3D virtual reality technology system creates a unique and powerful environment for interactive well planning, real-time geosteering and geophysical analysis. It is different from all other software because it is built as a dedicated virtual reality application for the E&P market.

Superior degree of immersion

Inside Reality is extremely immersive due to the use of large screens, stereo display and head tracking. Head tracking connects the users to the virtual world and makes it possible to walk into 3D datasets and models, an integral part of the immersive experience that gives the ultimate feeling of "being inside."

Advanced 3D user interface

Inside Reality contains a completely new user interface without the traditional mouse and keyboard. The 3D user interface is based on tracking of the user's head and hand. A handheld 3D interaction device operates the system where intuitive gestures like walking, pointing, grabbing

and drawing, replace clicking and typing. This leads to faster and easier ways of interacting with 3D data and the ability to produce new products and workflows not possible with ordinary workstation software. For instance, new well paths are drawn directly in 3D space, optimally positioned relative to 3D seismic, geological models and other data.

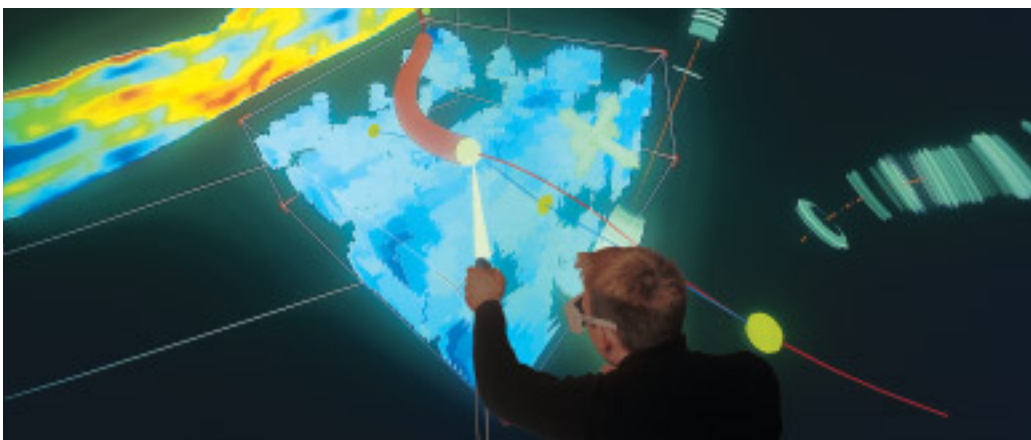
Innovative functionality

The system's functionality adds value directly to many of the most important work processes in E&P.

Inside Reality functionality includes:

- Visualization of all data types simultaneously in a common virtual world
- Walk-through and fly-through capabilities
- Interactive design of well paths directly in 3D space
- Real-time drillability calculations
- Visualization of seismic data by slicing in arbitrary directions

Increase well profitability from better positioned well paths and reduced well planning time.



A geologist uses Inside Reality to position drilling targets. Real-time update of drillability calculations enable a rapid well path to be designed and planned.

inside reality

3D Virtual Reality Technology

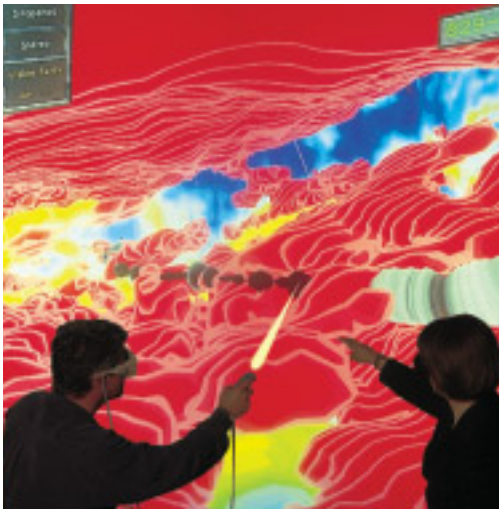
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- Real-time volume rendering
- Multi-attribute visualization
- Interactive real-time region growing including surface modeling
- Manual and automatic seismic surface interpretation
- Import and export of data (seismic, well paths, well logs, interpreted surfaces)

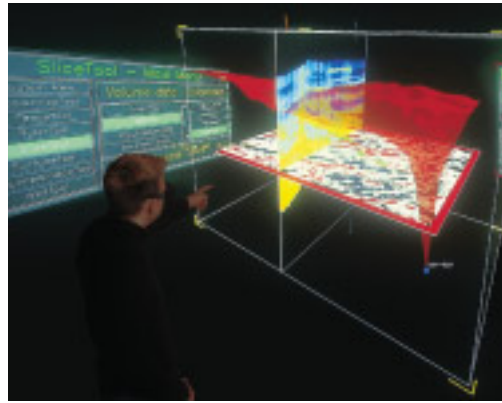
Experiences from clients

Inside Reality is already in extensive use for well planning on several oil fields. Clients have experienced the following:

- Improved interdisciplinary collaboration. By integrating different data types in a common virtual world and by using large immersive screens, a group of people can share the same experience and take an active part in the work in front of the screen.
- Improved 3D understanding. The powerful 3D visualization with head tracking leads to a faster and better understanding of complex 3D datasets.



Working within a virtual world allows users to better understand data relationships and encourages collaboration and decision making.



Inside Reality is operated by a handheld 3D interaction device and a few simple menus.

Norsk Hydro

Inside Reality is based on technology under license from Norsk Hydro, and developed by Norsk Hydro in collaboration with Christian Michelsen Research AS.

GeoQuest

Inside Reality is licensed and supported by GeoQuest, the software division of Schlumberger Information Solutions (SIS), an operating unit of Schlumberger Oilfield Services. SIS is the global industry leader for the supply of integrated business solutions comprised of GeoQuest software, information management services, information technology and a complete range of expert services. Schlumberger, the leading supplier of services and technology to the international E&P industry operates offices, service locations, and research and development facilities around the world.

Contact your local GeoQuest office or e-mail: qmktg@geoquest.slb.com to experience the unmatched performance of Inside Reality.

Benefits:

- Intuitive human interface allows a new user to be productive after a few minutes of instruction.
- Visualization within a virtual world allows users to quickly understand the relationships between complex datatypes.
- Real time update of drillability during well planning reduces the time required to plan optimal well paths.
- Interactive volume growing allows users to isolate and understand reservoir body geometry.
- OpenSpirit data access interface provides rapid connection to industry standard databases.



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