

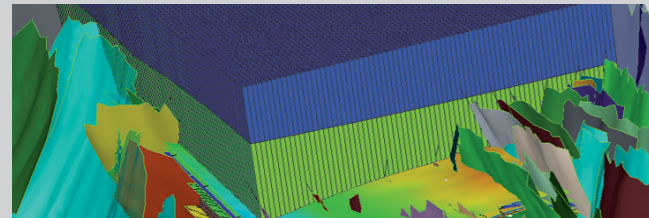
Powerful technology for a reasonable price

Everybody is talking about today's economic challenges and low oil prices. At JewelSuite™, we prefer to do something about it.



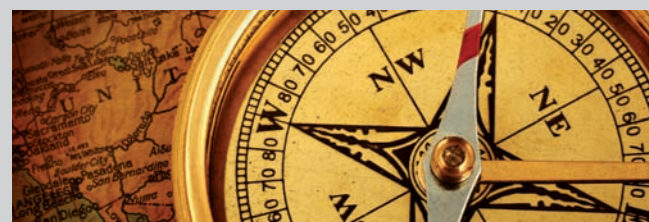
Because we understand clients are facing huge challenges in managing ever-increasing costs, JewelSuite™ is priced significantly lower than its competitors, making it highly affordable, and delivering true added value. We also save you money with flexible trade-in options, and significantly less expensive pricing packages.

We believe technology should help you work smarter



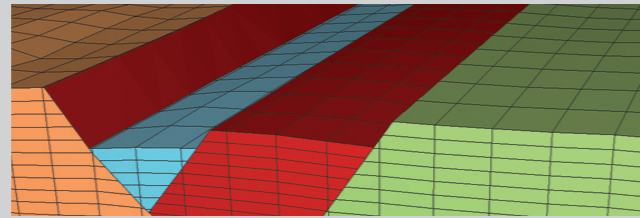
Advanced 3D Gridding

JewelSuite™ uses a patented new 3D gridding technology which easily and quickly creates an accurate geo-cellular model of your reservoir. Unlike pillar grids, the JewelSuite grid was built with reservoir simulation in mind. It honors complex reservoir geology and fault surfaces throughout the entire workflow from seismic to simulation. With this technology, you can easily build the model, and let the powerful 3D gridding functionality take care of real complexity without need for manual correction.



Workflow Automation (Macro)

The macro plug-in for JewelSuite™ is similar to Microsoft Excel macros. You can make your own proprietary algorithms interact with the comprehensive JewelSuite™ data model to which it gives full access. It allows you to build automated workflow procedures that can save you significant time.



Powerful Structural Modeling

JewelSuite™ is equipped with a semi-automatic structure builder capable of handling any kind of complex fault structures. Surfaces are created by triangulation, which ensures complicated shapes to be honored, maintained, and quickly visualized. Whenever necessary, easy manual editing tools are available to fine tune the structural framework as interpreted from the seismic data.



Focus on Customer Experience

Our development cycle is client-driven and extremely rapid, with frequent updates and enhancements designed to help solve your current challenges. Built on the flexible Microsoft® .net framework, JewelSuite™ is easily customized; enabling extensions of the workflow to provide tailored solutions which fit our customers' specific requirements.

We are ready to work with you

Some of our customers call just to say hello and catch up with our latest technology developments. Others need advice to help solve complex geological problems.



Experienced Consultants

With over 70 experienced and highly trained consultants located around the world, we are just around the corner and prepared to help you solve your technical challenges.



Personal Support

Visit us online, and chat with a member of our specialist team in person. We guarantee you will enjoy the responsive and personal customer focused support experience.

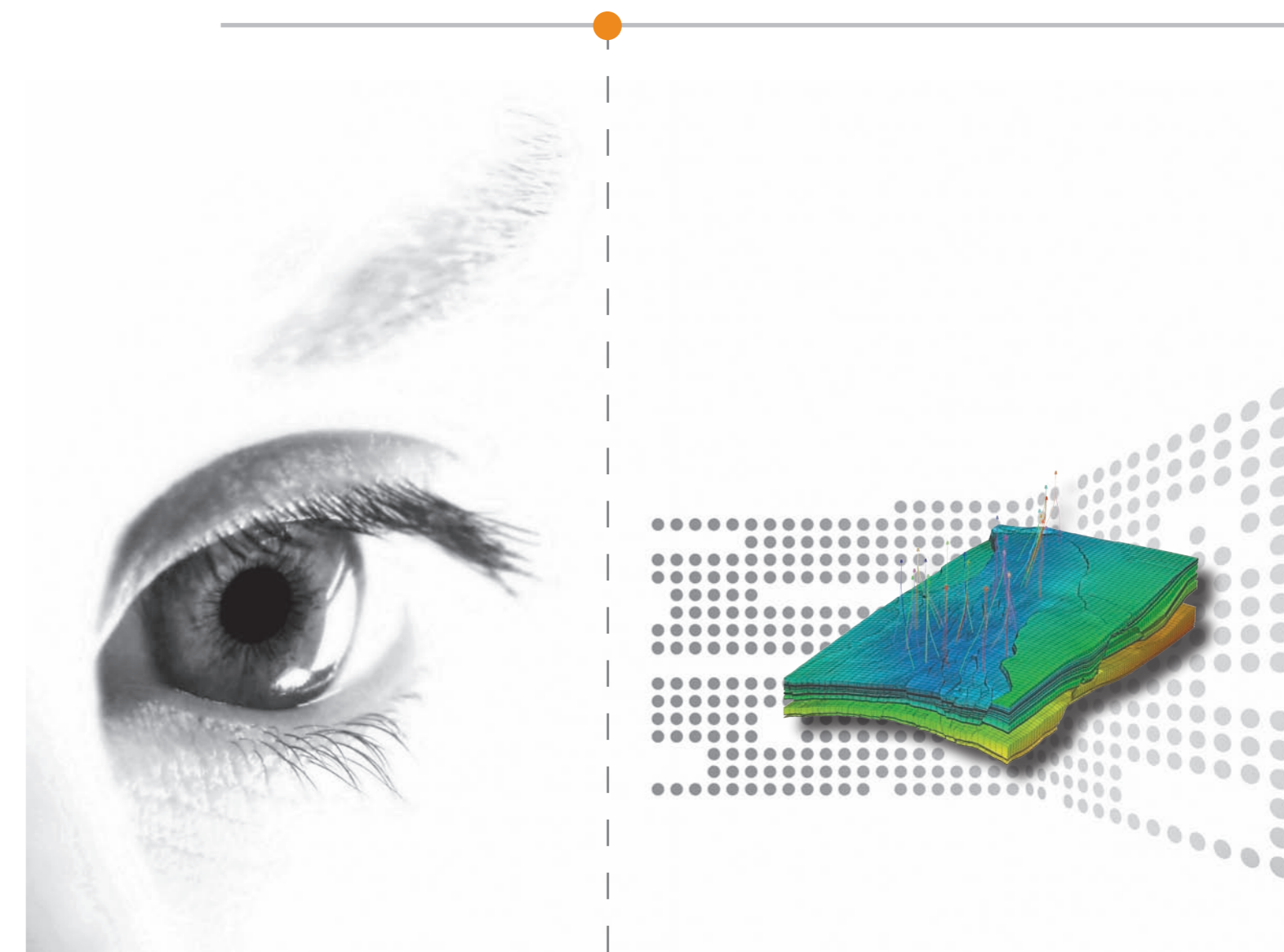
With offices in major global oil centers, we are just around the corner. Call your local office, or visit us online www.jewelsuite.com



www.jewelsuite.com



Integrated Reservoir Modeling



Powerful technology for clearer results

What is JewelSuite™?



Greater Performance

In these commercially challenging times, when it is even more critical to maximize the understanding of your fields, and optimize their performance, being able to utilize the power of innovative new technology tools can dramatically increase your effectiveness. JewelSuite was created to enable E&P companies to build better and higher quality reservoir models, easier, faster, and more accurately, even in complex geological areas.

Powerful integrated modeling package

Easy. Fast. Accurate

Easy - JewelSuite™ is a highly intuitive, workflow based tool which is quick to learn and use. It is easily customized with high levels of built-in workflow automation and connectivity to third party tools.

Fast - JewelSuite™ enables flexible and fast model updates; providing dramatically shorter workflow turn-around time and faster decision making. Faults can be moved and edited, (well) data can easily be entered, and with our 'one click' gridding, a model can be updated much faster than in other tools.

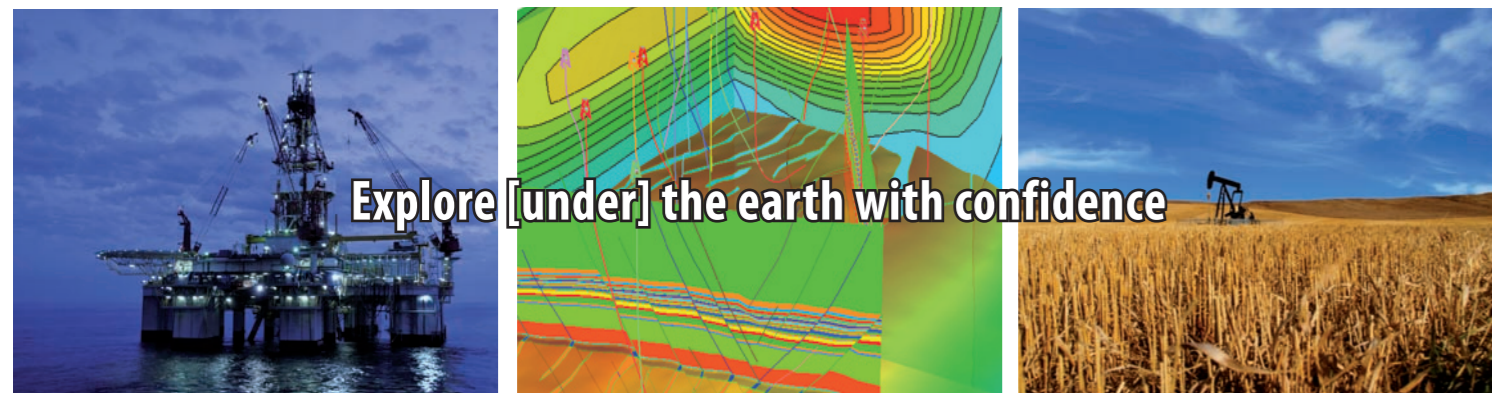
Accurate - JewelSuite's™ patented gridding technology is capable of holding any geological structure, simple or complex throughout the entire workflow. The orthogonal, vertically stacked cells can create a grid from surface to (multiple) reservoir(s). Tight connectivity to the simulator means unmatched accuracy of simulation results. Problems known from less advanced pillar gridding like squeezed or collapsed cells are unknown in JewelSuite™.

Total integration across the full workflow

Our vision - In a market where production of complex fields and heavy hydrocarbons has become increasingly important, E&P companies require up-to-date and integrated reservoir models with a fast turnaround time. JewelSuite™ focuses on generating better insight into the total integrated model across the full seismic to simulation workflow, rather than breaking down the different domain parts of the static and dynamic workflow. We focus on enabling you to build quality models at significantly lower cost.

Working hard to create real value

JOA® - The developers of JewelSuite™ are a dynamic and fast-growing independent software technology company that utilizes some of the best brains and experience in the industry. JOA develops innovative integrated programs that offer clients a step-change in performance, productivity, and price.



Explore [under] the earth with confidence

Working with our partners to bring you seamless integration



What JewelSuite™ offers you

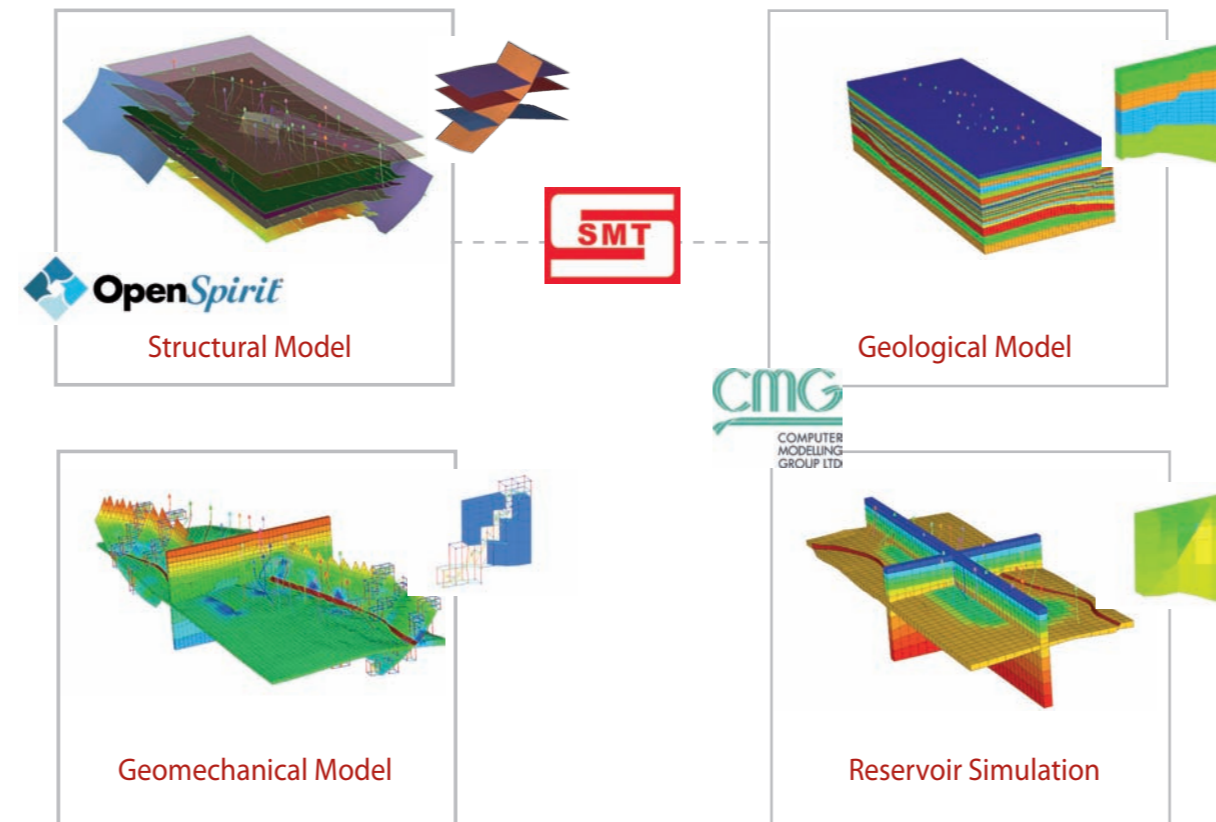
Cost Effective and Fit-For-Purpose - JewelSuite™ is priced significantly lower than other tools on the market.

Complex Geology - JewelSuite™ provides a unique framework and infrastructure that enables its users to build 3D grids and realistic models regardless of the structural complexity of the area. Regional and local structures are captured without degradation of geometry.

Seamless Simulation - JewelSuite™ was built with reservoir simulation in mind. With its built-in simulator plug-ins, dynamic simulation of fluid flow can be driven seamlessly from within JewelSuite™. Multiple simulation cases can be designed and run - all from within the user interface. Simulation results are put right back into JewelSuite™, so the user can visualize and animate the results in conjunction with the geologic model and even the time-lapse seismic data and attributes.

Experience the difference

Asset-Based Decision Making - The integrated framework holds the model true right across the workflow from seismic to simulation, allowing cross-disciplinary teams to visualize, analyze and modify multi-domain data in a single and constant environment, thus enabling faster and more effective decision making.



"JewelSuite™ is a very cost-efficient tool that gets the job done well for us. We feel we get a lot of bang for the buck!"

- North Sea Independent

"The strength of JewelSuite™ is its ability to handle almost any complexity or the simplest geologic conditions. We have successfully used the software in several of our assets...onshore and offshore."

- Major international operator

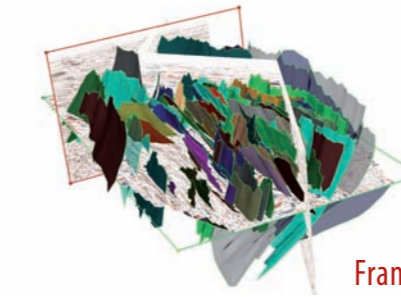
"I just wish I'd known about this a year earlier. It would have saved me a year's work."

- IOC, Europe

4 powerful models in one

JewelSuite™ is designed to maintain the same grid, incorporating multiple domains, and honoring the respective data throughout the entire seismic to simulation workflow.

Intuitive and Quick to Learn

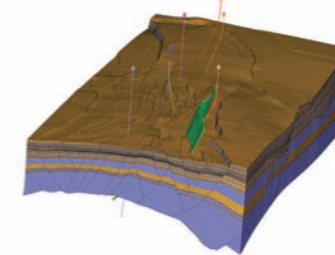


Framework Model

With immature seismic interpretation, high-fidelity faults and horizons, our structure builder workflow makes accurate 3D framework modeling fast and efficient - in time and in depth. Unique 3D seismic visualization options perfectly support the typical decision processes. Streamlined connectivity to interpretation packages makes it easy to close the loop.

The workflow manager is setup to logically lead users from data entry to 3D structural modeling, well correlation, property modeling, and simulation. After a short 3-day training course you will command the entire workflow and build your own models.

Fast Model Updates

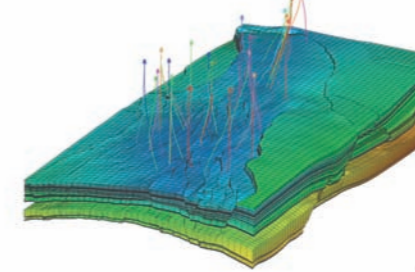


Geological Model

Our leading structural framework builder allows all the manual flexibility required, and creates significant time savings by using automated processes. The patented 3DGridding technology allows end users to capture both regional and local structures without compromise - from surface to basement.

You can run fast model updates with the click of a button. Instantly generate an updated 3Dgrid with new data, or use the extra time to build alternative geological scenarios and quantify uncertainty. Complex structural models can be modeled in just a few days.

Accurate Results

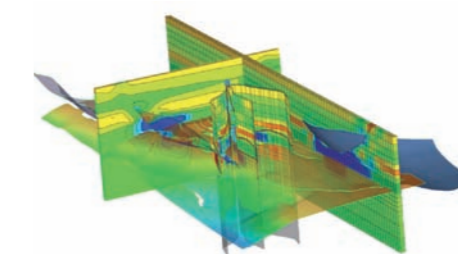


Simulation Model

JewelSuite™ gridding enables faster model building and simulation workflows. The most popular industry simulators are closely integrated in the user interface. With an accurate description of the structural geology in the geological model, an up scaled model can be passed on to the simulator while honoring the original structure and geology.

Team members can spend more time working together to evaluate and solve problems associated with both the static and dynamic uncertainties. Additional scenario evaluation will almost always lead to more accurate results. Our engineers built advanced automated techniques so you can focus on your business.

Simple Integrated Workflow



Geomechanical Model

JewelSuite™ is the tool for building full-field models, from surface to basement - overburden included. Its ability to create a finite element mesh from the geological model with one button click while honoring the original structure, and connecting to a geomechanical simulator makes it the most integrated reservoir modeling tool available today.

Integration of full-field geomechanics brings true asset team decision making to you. Assess risk for bore-hole stability or fault re-activation in a user-friendly environment, consistent with your framework, geological, and simulation models. JewelSuite™ creates a step change in turn-around time of geomechanic simulators.