NEWS ALERT

Powering the energy transition: Seequent introduces Leapfrog Energy

Subsurface software leaders bring geothermal experience and world-leading technology to energy industry

Christchurch, New Zealand, May 31, 2023 - Seequent, The Bentley Subsurface Company, today introduces Leapfrog Energy, expanding the company's offering to the energy industry to help solve the challenges of the rapidly evolving transition.

Leapfrog Energy brings together Seequent's world-leading geological modelling solution and geostatistical capability, along with the company's experience in geothermal, mining, civil engineering and environment, into a targeted industry solution.

Leapfrog Energy enables rapid understanding of subsurface properties, from even the sparsest amount of data, to help identify energy resources, assess ground conditions for offshore wind projects, and find locations for carbon capture, utilisation, and storage.

Jeremy O'Brien, Energy Segment Director, Seequent, said, "Seequent is a market leader in the geothermal industry with our geological modelling software Leapfrog. It feels like a natural step to extend Leapfrog to the rest of the energy industry, with a number of energy companies already using it for their energy transition initiatives."

Key industry uses for Leapfrog Energy include:

- Continuing to lead subsurface analysis in the **geothermal industry** – Seequent software already supports many of the world's leading geothermal power producers, from well planning to sustainably operating a geothermal asset.
- **Wind energy** – bringing clarity to the complexities of the sea floor and subsurface, helping wind operators understand how and where to site their turbines using industry-leading integrated ground modelling and structural design workflows.
- **Carbon Capture, Utilisation, and Storage (CCUS)** – accelerating basin and reservoir screening to find the best places for capture and storage.
- **Oil and gas** – complementing robust industry-standard workflows for reconnaissance and quality assurance with rapid geological modelling – with transformative reductions in modelling time.

O’Brien added, “Subsurface specialists need flexible and fast tools like Leapfrog Energy to understand subsurface conditions and share their knowledge in a way that resonates with technical and non-technical stakeholders.”

Leapfrog Energy can be complemented with other solutions in the Seequent portfolio, including cloud collaboration tool Seequent Central, which allows multidisciplinary teams to track and share data, and our UXO solution for marine surveys. Seequent’s PLAXIS, for geotechnical analysis, and geophysics solution Oasis Montaj have been used in exploration by the energy majors for more than 30 years.

Graham Grant, Chief Executive Officer, Seequent, said, “Seequent’s comprehensive portfolio of subsurface solutions helps industries understand the subsurface to help them make clear, confident decisions, reach outcomes quickly, reduce cost and risk, and accelerate their innovation. The energy industry is in the midst of one of the largest industrial transitions in modern history. We understand this transition is complex, and that all parts of the energy industry have a key role to play. Seequent is committed to continue supporting the industry as it navigates the challenges and opportunities ahead.”

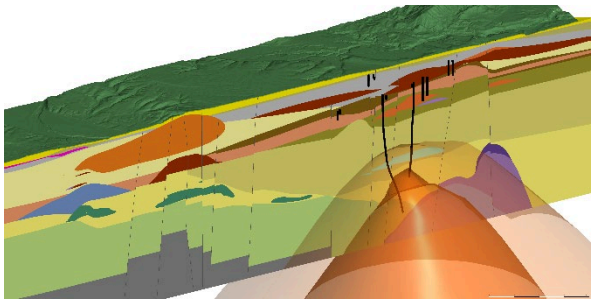
MORE INFORMATION: Leapfrog Energy product page

-ENDS-

SUPPORTING INFORMATION

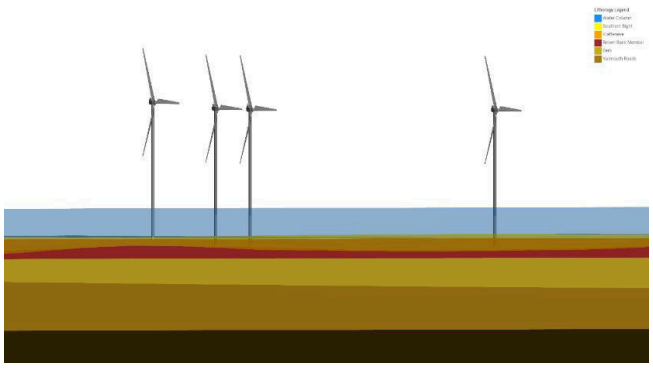
IMAGES AND VIDEO – download high resolution versions here

Image 1:



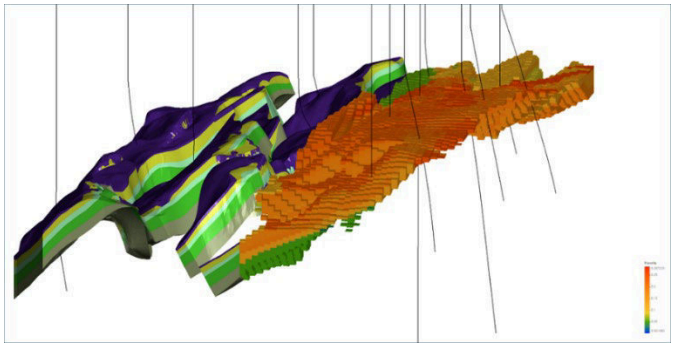
GEOTHERMAL: A slice through geological and temperature models built in Leapfrog Energy of the Rotokawa and Ngā Tamariki Geothermal Fields in New Zealand, operated by Mercury.

Image 2:



WIND: Geological model from Leapfrog Energy of the Netherlands North Sea showing the application of integrated modelling for siting wind turbines.

Image 3:



CCUS and OIL AND GAS: A geological and porosity model of an offshore reservoir built in Leapfrog Energy.

CASE STUDIES

Carbon Capture, Utilisation and Storage

Geothermal: Contact Energy

Geothermal: Ormat

Informing risk and foundation design in offshore wind

Carbon sequestration

The Paris Basin's energy future:

About Seequent

Seequent builds world-leading subsurface software, helping to create a better understanding of the earth to ensure a better world for all. We are constantly evolving at the forefront of technology to transform how geo-professionals work, eliminating barriers to understanding the earth's challenges by connecting teams with the tools they need.

Every day, our customers in over 100 countries work to develop mineral resources more sustainably, design and build better infrastructure, protect the environment, source renewable energy, and help resolve historical challenges such as groundwater contamination and ageing infrastructure.

Our integrated earth modelling, geo-data management, and team collaboration software enables our customers to see a more complete picture of the earth: because with more understanding comes better decisions – for people and the planet.

Headquartered in New Zealand with global reach, Seequent is the subsurface software company within Bentley Systems. Together, we are helping build a more resilient world.

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