



by **Rock Physics  
Technology AS:**

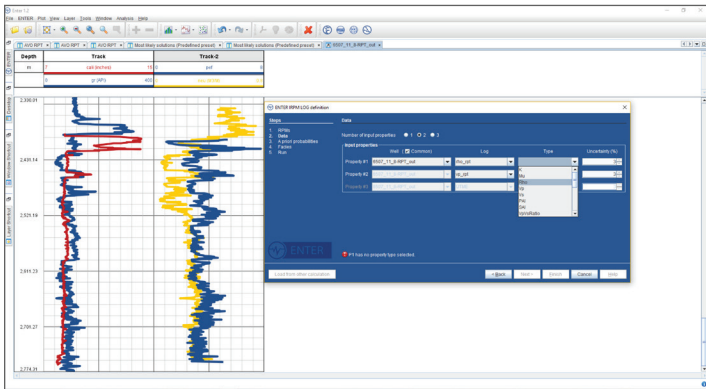
*Advanced rock  
physics driven  
interpretation  
using a flexible  
graphics framework*

Rock Physics Technology AS (RPT) is a digital oilfield service company based in Norway. RPT developed ENTER™, an interpretation software that uses advanced rock physics-driven interpretation in a flexible graphics framework to predict porosity, lithology and fluid saturation from seismic data. ENTER helps E&P companies de-risk prospects and analyze uncertainties in resource estimation during seismic interpretation. The software is based on the acclaimed Inverse Rock Physics Modelling-method (IRPM) developed by Prof. Tor Arne Johansen, University of Bergen, and Dr. Erling Hugo Jensen, CTO, RPT.

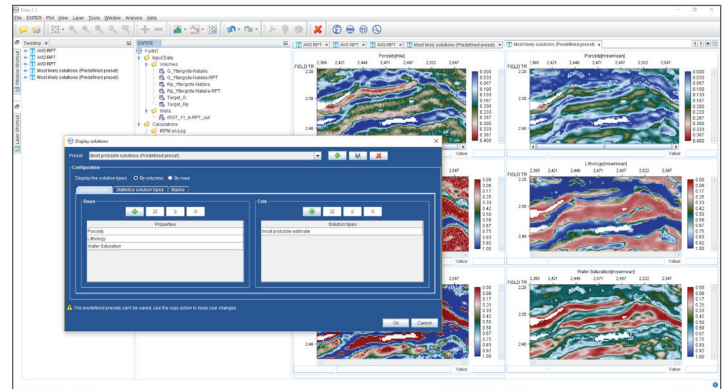
## CHALLENGE

After spending years of research developing the IRPM concept and maturing it through project applications and theses at the University of Bergen, it became clear that the technology had great commercial potential as a software product for the global oil and gas industry.

However, the challenge was how to take it to market and in what format. Spending the time and resources to develop a completely new platform for interpretation and visualization from scratch made little sense and would take too much time to build and deploy. At the same time, partnering with a current or potential future competitor would not be good for the success of the company.



*Inversion is made accessible through easy-to-use workflows.*



*ENTER provides many ways to analyse the stochastic and probabilistic, non-unique inversion solutions.*

## INT SOLUTION

Rock Physics Technology chose to work with Interactive Network Technologies (INT) to incorporate their innovative science into INTViewer's robust framework. As a platform, INTViewer is powerful, flexible, and scalable. INTViewer can add, enable, and disable features easily, leaving only the relevant functionality accessible to the end user. It features a fully customizable UX, an important consideration in terms of brand identity and design preferences.

The partnership between INT and RPT led to the development of ENTER, a quantitative analysis and interpretation software package. ENTER uses the INTViewer framework to link to the RPT library, accessing the IRPM and surrounding technologies. ENTER

makes rock physics driven inversion accessible to geoscientists all over the world, allowing them to make powerful predictions of reservoir parameters from seismic data using simple and intuitive workflows.

"When developing ENTER, we wanted to focus on our innovative technology, but at the same time, we needed the functionality for loading, displaying, and interacting with seismic and well log data," said Dr. Jensen.

**“The two technologies, ENTER and INTViewer, fit together nicely and create an excellent user experience.”**

"We have a great working relationship with INT, so implementing ENTER on the INTViewer platform made perfect sense. The two technologies fit together nicely and create an excellent user experience." ENTER enables not only the rock physics expert, but also the sedimentologists, petrophysicists, and the rest of the interpretation team to perform quantitative interpretation using a library of advanced rock physics models in one easy-to-use interface. For more information about ENTER, visit [www.rockphysicstechnology.com](http://www.rockphysicstechnology.com).

## ABOUT INT

For more than 25 years, INT has been a leading software provider of Advanced Data Visualization solutions and platforms used in business applications for Upstream E&P and other technical industries. INT Software uses the latest technologies such as HTML5 and JavaScript to enable cloud-friendly and mobile-responsive solutions.