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Fault finding

Upstream oil and gas industry software provider Ikon Science recently signed two separate technical co-operation agreements with UK independents Tullow Oil and Enterprise Oil.

In addition Enterprise, which is in the process of being taken over by Shell, made a significant equity investment in the company targeted at the development of Ikon's next two software products, FaultX and Volume Finder.

The company's initial software product offering, RokDoc, was developed by Dr. Michel Kemper, a former Shell International petrophysicist and reservoir engineer who now serves as Ikon's technical director.

When used in conjuncture with 3D seismic, RokDoc investigates and predicts the interrelationships between the numerous factors affecting the seismic properties of rocks, enabling users to detect the presence of hydrocarbons from 3D seismic data and to creatively model new exploration ideas and reservoir production schemes such as time lapse (4D) seismic.

Through the upcoming FaultX and Volume Finder products the user will be able to take this detection process a stage further by rapidly identifying the position of fault planes in a structure and pinpointing the hydrocarbon-bearing reservoirs, says Ikon.

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