



## The Integration of Altair's Geomechanics Director with Rockfield's Elfen Solver Boosts Geomechanical Post-Processing Capabilities

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**TROY, Mich. – April 6, 2017 – [Altair's](#)** Geomechanics Director (GeoD), a custom software and services solution, that dramatically increases efficiency of Mechanical Earth Modelling, has been successfully integrated with [Rockfield's](#) Elfen technology. This integration gives Engineers and Scientists greatly enhanced post-processing capabilities for Geomechanics applications; including the ability to read and post-process Elfen results in GeoD. One of the highlights is the ability to visualize Elfen results, seamlessly, as large as 60 gigabytes in size. This capability increases throughput and enables analysts to focus on scenarios of greater complexity and physics with an easy to use tool. This increases the technical proficiency and knowledge at the organizational level by leveraging state of the art technologies.

Rockfield solver, Elfen, is a state-of-the-art Discrete Finite Element Solver for widespread applications within Geomechanics. Its capabilities include large strain simulations of the evolution of geological structures, predicting static and dynamic responses of subsurface at reservoir scale, modelling the wellbore as well as answering challenging fracture design problems at multiple scales.

"We are very happy to work with Rockfield as we integrate Elfen unique solutions in the GeoD. This will help our customers facing a wide range of complex challenges within Geomechanics. We are looking forward to the benefits customers of both companies will gain from this alliance," Jorge Pena, GeoD Project Manager, Altair.

"Rockfield are excited about the opportunity of once again opening up integration options with leading edge 3rd party software solutions, such as Altair, in order to provide to both our existing and new clients the opportunity of embedding the Elfen software into their already established software workflows and to assist in making the solutions to advanced geomechanical applications a reality," John Cain, CEO, Rockfield Global Technologies.

### About ALTAIR

Altair is focused on the development and broad application of simulation technology to synthesize and optimize designs, processes and decisions for improved business performance. Privately held with more than 2,600 employees, Altair is headquartered in Troy, Michigan, USA and operates more than 45 offices throughout 20 countries. Today, Altair serves more than 5,000 corporate clients across broad industry segments. To learn more, please visit [www.altair.com](http://www.altair.com).

### About Rockfield

Rockfield is a world leader in providing solutions to geomechanical applications around the World in discipline areas from Wellbore, Forward Modelling, Static & Dynamic Reservoir Modelling and Hydraulic Fracturing through their software package Elfen. Rockfield has 31 employees primarily based in Swansea, UK and currently has 3 offices in Swansea, Houston & Abu Dhabi. For further information visit [www.rockfieldglobal.com](http://www.rockfieldglobal.com).

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