

## June 2015 Newsletter

<a href="#">MOVE2015.2 NOW AVAILABLE</a>	<a href="#">MOVE FEATURE</a>	<a href="#">THANK YOU</a>	<a href="#">MOVE SOFTWARE TRAINING</a>
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### Move2015.2 is Now Available

The latest version of Move is now available for download [here](#) from the secure section of our website. Maintained commercial clients and academic institutions who have purchased a support package can login directly to the secure section and start using Move2015.2 straight away. If you have not yet registered for the secure section then please do so [here](#).

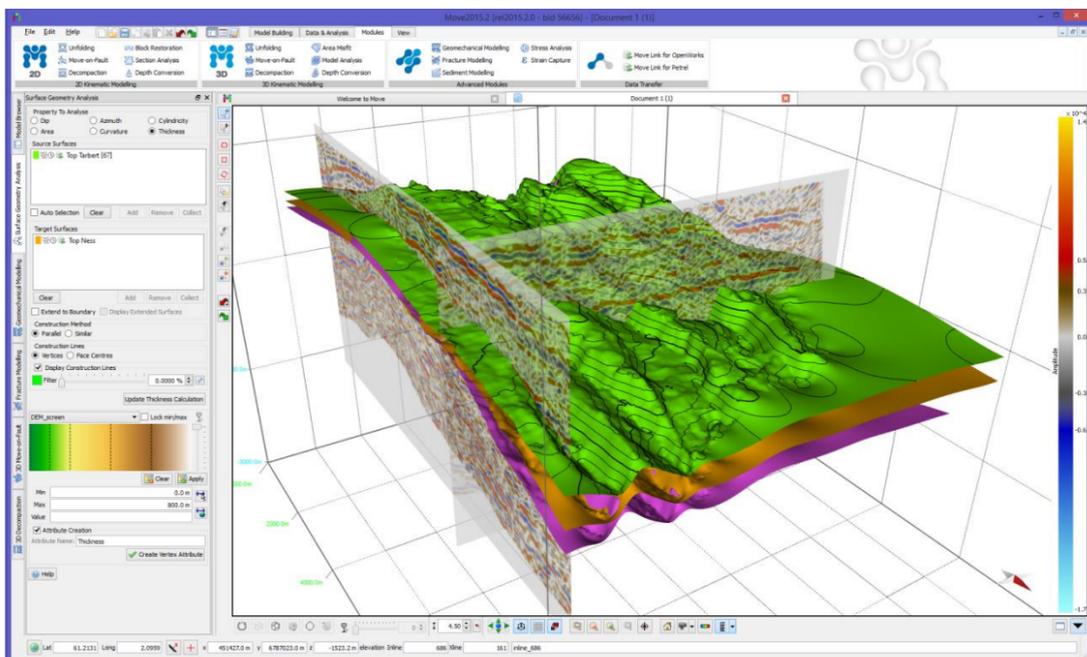
Full details of the new functionality, bug fixes and improvements in the new version of Move can be found in the release notes which can be downloaded [here](#).

Key highlights include:

- Model building functionality – the Split, Shape, Edit Line, Create Section and Decompaction tools have all been improved;
- Move Link for Petrel – object history information from Petrel\* is now preserved, multi-z surfaces can be transferred between the two applications and faults can be extracted and transferred from GeoCellular objects;
- Point Data Display and Selection - the size, colour and style of points can now be controlled independently via attribute values and symbols database entries. You can filter selected points via an attribute value and a simple equation;
- The create Top-Mid-Base Method in the Create Surface tool now supports Point Clouds and can create grids as well as mesh surfaces;
- The Basic and Advanced Transform operations are now registered in the Move Log File;
- New controls in the Display toolbar for stratigraphy, rock properties and colour maps;
- Fracture Modelling – Aperture Definition has now been clarified, with the calculation of Average Aperture;
- New Field Image Browser – allows the user to view, edit, print and export photos from FieldMove and FieldMove Clino.

\*Mark of Schlumberger

Move2015.2 is fully compatible with the new version of FieldMove for iOS, Android and Windows tablets. This new application has been submitted to the online stores for approval and we hope that FieldMove will go live before the end of June.



## move™ feature



### Geomechanical Modelling

In this month's feature we focus on the Geomechanical Modelling module in Move™.

Geomechanical restoration is a quantitative method of modelling strain during geological deformation. Geomechanical methods incorporate the elastic properties of the rock and therefore in some restoration or forward modelling objectives more realistically model the response of rock masses to deformation.

In Move, the Geomechanical Modelling module allows you to model the evolution of structures through time, quickly and easily (Figure 1a). The strain resulting from a geomechanical restoration can be converted to attributes and viewed in Move using the Strain Capture tool (Figure 1b). These attributes can then form the basis for fracture network prediction. Strain can be modelled in both a forward and reverse modelling sense at any restoration step, thus providing a method to predict strain at any point through geological time. Critically, this makes it possible to predict fracture networks or stress systems at important geological steps, such as the time of hydrocarbon maturation and migration or mineral deposition.

In this feature we describe the theory behind geomechanical restoration, as well as outlining a workflow used to model and capture strain from folding and faulting.

[Download](#) the full Move Feature, or for a list of previous Features click [here](#).

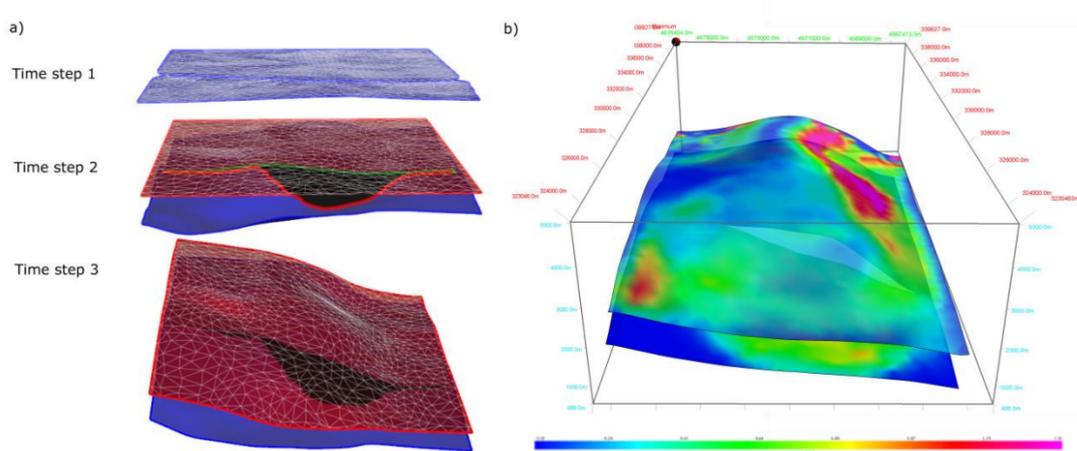


Figure 1: a) Restoration steps from a model of the present-day geometry (time step 3) to the initial starting geometry (time step 1); b) Inversion of restoration steps showing present-day model colour mapped for the magnitude of  $e_1$  (minimum shortening direction). Warm colours (reds and oranges) represent high shortening with cold colours (greens and blues) representing low shortening.

### Midland Valley at the AAPG 2015 & our Houston User Meeting

We would like to say a big thank you to all of our clients who attended our recent User Meeting in Houston on the 28th of May, and to everyone who visited our new booth at the AAPG 2015 Annual Convention and Exhibition in Denver earlier this month. We really appreciate all of your constructive feedback and comments on the latest version of Move and on our development plans for the next few years. Please keep the comments coming – it's your software.



### Move Software Training

Structural Modelling and Analysis using Move: The course is predominantly hands-on training using Move but also includes a number of presentations and on-screen demonstrations.

Available training dates for 2015:

15th - 17th June	Beijing, China
16th - 19th June	Midland Valley Office, Glasgow, UK
18th - 20th August	Houston, USA
25th - 28th August	Midland Valley Office, Glasgow, UK
10th - 12th September	Melbourne, Australia
6th - 8th October	Midland Valley Office, Glasgow, UK
10th - 12th November	Houston, USA

For more information and to contact us about training, please call: +44 (0)141 332 2681 or visit: [www.mve.com/training](http://www.mve.com/training)

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