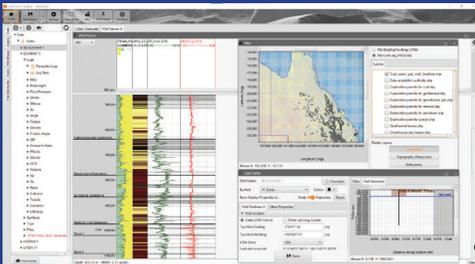# Tech Limit
Solutions with magnitude

## Stress-free calibration

Constraining stress magnitudes requires a range of data types obtained at any one location and these datasets are commonly incomplete. Complex iterative workflows are required to construct and calibrate models in these situations which can take considerable time.



The **Tech Limit Toolbox** has been designed to accelerate the iterative process to constrain stress magnitudes and broaden the accessibility of model building to geoscientists and engineers using a workflow based approach across a variety of applications.

The **Tech Limit Toolbox** can be used by your in-house experts to build and use Workflows themselves or enable others to provide consistent and repeatable solutions across the business. Tech Limit can also work with you to implement custom workflows for your specific use and help build your own expertise through experience.

The best way to see what the **Tech Limit Toolbox** can do is to see it in action. Please contact us to schedule a demonstration or organise a trial license.

**m:** (+61) 0417848444
**e:** contact@techlimit.com
**techlimit.com**

## Introducing the Tech Limit Toolbox:

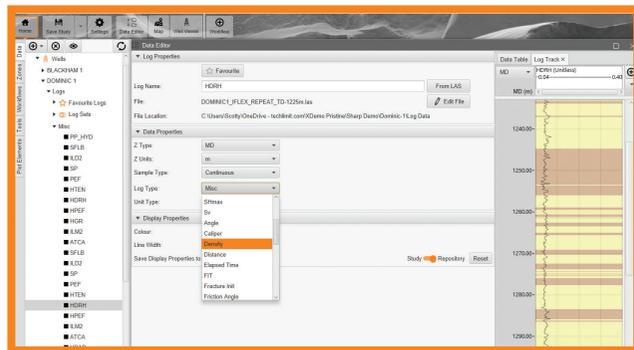Geomechanical modelling easy as

# 1,2,3

# Improve your geomechanical modelling capability in three ways with the **Tech Limit Toolbox**:
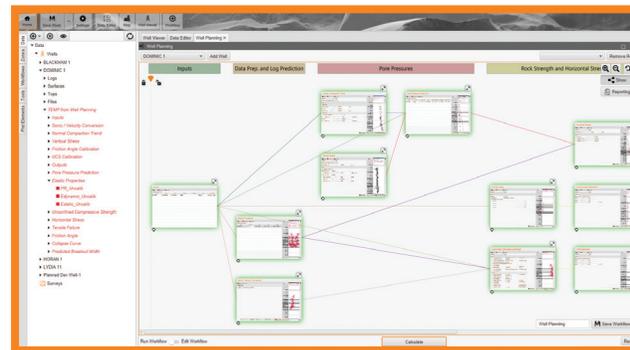
## 1 Taking The Pain Out of Data Loading

The **Tech Limit Toolbox** avoids the traditional approach to data loading and instead allows the user to point their project at relevant Data Repositories. Data formats within these directories are parsed and the contained data is made available to the user within the application. The files within the repository can be shared between users and a separate repository for derived calculations can be specified.



## 2 Easy Iteration With Dynamic Calculations

Workflows are comprised of Tools linked via their inputs and outputs to create a systematic series of ordered calculations. Parameters can be set for each individual Tool or parameter settings can be applied as pre-defined Models for specific scenarios, basins, fields, lithologies etc. Initial data inputs are dragged and dropped from your library and the calculations propagate through the workflow to generate a result. Any parameter or input can be altered and the change will dynamically propagate through the Workflow to update the outputs. Workflows can be collapsed down and used as individual Tools within larger Workflows which easily permits comparison of alternative calculations without extra effort.



## 3 Custom Solutions

The **Tech Limit Toolbox** ships with pre-made Workflows ready for you to construct mechanical stratigraphy, create pore pressure profiles, generate geomechanical models and prepare pre-drill wellbore stability analyses among others. However, using a simple drag and drop interface, you can simply build your own Workflows by connecting Tools from the Toolbox in any combination. With the added ability to craft your own Tools using Python code, the **Tech Limit Toolbox** has unlimited functionality.