



DSC

Drilling Simulator Celle

Scenario Planning Realistic Planning of Deep Drilling Processes

The Innovation

At the Drilling Simulator Celle of Clausthal University of Technology, a tool has been developed for more realistic planning of deep drilling, particularly for geothermal applications. This makes it possible to achieve a significantly improved estimation of the technical, economic, and environmental risks associated with deep drilling projects in advance.

DSC Software Simulator

Our software simulator is based on an industry-leading real-time training simulator that is normally used for training operating personnel at deep drilling companies. Through a specific program interface (API), we are able to integrate new, experimentally validated models of real deep drilling





TU Clausthal

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processes, thus enabling much more realistic simulations. For instance, data from the specific reservoir, parameters of the planned drill string, planned well paths, or even operating parameters such as the composition of drilling fluids can be integrated into the pre-simulation. With this innovative approach, a new tool is available for planning deep drilling, substantially supporting risk management.

In addition, we are happy to develop further simulation models for your specific questions.

If you have any questions about this or other service offerings, please feel free to contact us.

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