



# TU Clausthal

Clausthal University of Technology

## DSC

Drilling Simulator Celle

## Scenario Drilling Training Courses at Real-Time Drilling Simulator

### Our Innovation

At Drilling Simulator Celle, a training course has been developed that provides the opportunity to educate professionals from the oil, gas and geothermal industry in dealing with critical situations during wellbore construction.

### DSC Software Simulator

DSC's Software Simulator is based on an industry-leading real-time training simulator featuring a realistic user interface with an actual driller's ("cyber") chair. The system is normally used to train technicians at drilling contractors. The special version operated at DSC uses an "Application Program Interface" (API) to enhance the downhole drilling models through programming more realistic simulations of realistic physical characteristics of the





drilling process. Through this innovative approach the system now features an enhanced well planning capability, reducing the risks during later operations.

## Scenario Drilling Training Offering

A number of our new models have meanwhile been implemented into the system, with several more to come in the future.

The current course for “Scenario Drilling” was already provided to a major German operator. The course duration is typically one week, including theoretical lectures and practical training at the simulator. In order to make the training efficient, group sizes should not exceed 5–6 persons. The course is currently organized in four modules, covering important topics:

- Pipe Handling
- Challenges during Drilling Operations
- Kick Detection and Handling
- Lost Circulation and Mitigation

Further modules can be developed to fit specific customer requirements.

Please check with Drilling Simulator Celle for further questions, such as timing, costs and others.

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## Contact us

**Erik Feldmann, M.Sc.**

+49 5141 48706 8509

[erik.feldmann@tu-clausthal.de](mailto:erik.feldmann@tu-clausthal.de)

## Our location

Drilling Simulator Celle – TU Clausthal  
Zum Drilling Simulator 1 ■ 29221 Celle, Germany