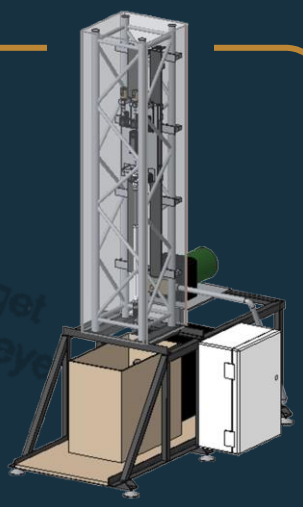
TODO

WORK PACKAGE

TITEL : Update and Integration of Components in Creo Rig Model



WOPA.Nr: 0008 CONTEST YEAR: 2023/2024 ISSUED BY: C. SOILEMEZIDIS

University of Clausthal SPE Student Chapter

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Drillbotics® is a prestigious international university competition where teams from around the globe collaborate to design and develop an autonomous directional drilling rig. This challenge merges engineering expertise with innovation, aiming to revolutionize the drilling industry while promoting collaboration and hands-on experience.

OBJECTIVE

DEADLINE: 31st December 2023

To comprehensively review and update the current Creo model of the rig, ensuring that all newly added components are accurately represented.

OUTCOME

By the end of this project, the rig's Creo model will be updated and enriched with all the recently implemented components. The student will gain a deeper proficiency in using Creo, learning advanced techniques and approaches to 3D modeling without the foundation of initial sketches.

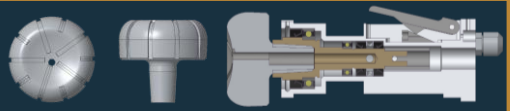
Student Work Packages

Students interested in hands-on experience and applying their academic knowledge are encouraged to take on these work packages. If you're keen to express interest, apply for a work package, or seek more details, please contact us. It's up to you to decide whether the task aligns with your skills and interests. If you lack experience in the highlighted fields (in BLUE), seize the opportunity to learn with us. Don't worry; the primary requirement is motivation. This journey is all about learning and growing.

DESCRIPTION

The assignment centers around the enhancement of the rig's existing Creo model. The student will need to proficiently import and incorporate models of components that were purchased, ensuring they fit seamlessly within the current model structure. Additionally, there will be a need to measure specific components and model them accurately, integrating them into the existing Creo file. While the task requires intricate detailing, students are not expected to begin from scratch with sketches.

CONTACT



drillbotics@tu-clausthal.de

Certificate of Completion for Work Packages

Upon successful and timely completion of the designated work package, and if the specified outcomes are met, a certificate will be issued to the individual responsible for the task. This certificate stands as an official recognition of the individual's diligence, skill, and commitment to the project.

Complexity grade

1.	20h	3.	60h	5.	100h
2.	40h	4.	80h	6.	>100h

Complexity grade

6
5
4
3
2
1

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