Heinrich Georg GmbH – SINUMERIK ONE Virtual Commissioning Services allows fast qualification on the project

Customer information
- Heinrich Georg GmbH Maschinenfabrik
- Machine builder
- Germany, Kreuztal
- Engineer to order machines for milling, turning, grinding and drilling

Customer objectives
- First commissioning with SINUMERIK ONE before the real hardware existed
- Avoid risks of damage on the real machine during the commissioning
- Testing completely new SINUMERIK Configuration
- Qualification for the further self-reliant usage of the Software-in-the Loop solution for SINUMERIK ONE

Siemens’ solution
SINUMERIK ONE Virtual Commissioning Consulting & Training
- Analysis of customers project requirements
- Development of solution concept
- Training of Virtual Commissioning solutions tailored to the customer project

Customer value
- Prototype implementation of the digital twin already within the training
- Testing environment for new automation and technologies for the new SINUMERIK ONE without any risks inside the digital twin
- Consistency of products and services for SINUMERIK Virtual Commissioning

Customer’s drivers and goals
- Qualification
- Sustainability
- Reduce costs

“Thanks to SINUMERIK ONE Virtual Commissioning Training we were able to build up a first digital prototype of our machine already during the 5-day workshop to check the basic machine functionality.”
N. Quentin, Softwareentwicklung, Heinrich Georg GmbH
1 Upgrade the controller for future machine tools from SIMUMERIK 840Dsl to the new SINUMERIK ONE and improve the machine development

2 Overview about the opportunities with SINUMERIK ONE Virtual Commissioning and the best way for the project realization

3 Qualification on the new SINUMERIK ONE Virtual Commissioning solution

1 SINUMERIK ONE Virtual Commissioning Software-in-the-Loop

Development and validation of new controller configuration (PLC, NC, HMI) using the risk-free Virtual Commissioning environment before the machine and hardware was available

2 SINUMERIK ONE Virtual Commissioning Consulting

Preparation of solution concept based on best practice examples and the analysis of the customers project.

3 SINUMERIK ONE Virtual Commissioning Training

Fast prototype development and qualification for Virtual Commissioning within a tailored workshop for the customer specific project
SINUMERIK ONE Virtual Commissioning Services
The fast & flexible way to the digital twin of the machine

Analysis of project-specific commissioning requirements regarding the applicability of virtual commissioning

Establishment of competencies in virtual commissioning at customers' premises

Implementation of virtual commissioning to identify and rectify potential errors at an early stage
Kundenanforderungen und -ziele

Assetmanagement optimieren

Verfügbarkeit sicherstellen

Nachhaltigkeit schaffen

Kosten reduzieren

Produktivität erhöhen

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations, product names, etc. may contain trademarks or other rights of Siemens AG, its affiliated companies or third parties. Their unauthorized use may infringe the rights of the respective owner.