GUNT-DigiSkills 3
Preventive maintenance: Replacement of a gearbox

The following building blocks for the development of digital skills can be realized with the overall system GUNT-DigiSkills 3:

- maintenance routines on a production plant, digitally monitored and displayed by a PLC from Siemens via touch screen
- use of augmented reality (AR) for the planned maintenance steps on the sorting plant
- understand the concept of preventive maintenance and familiarisation with the fundamentals of machine condition monitoring
- understand and be able to describe the internationally used terms "condition monitoring" and "predictive maintenance"
- information availability via a portal: data from the GUNT Media Center, accessed via QR code
- practical familiarisation with and ability to use file formats that are relevant in the engineering field: PDF, DXF, STP, STL, etc.
- use of different end devices, such as PC, laptop, tablet, smartphone, to retrieve information and to display processes
- develop an understanding of a closed, digital process sequence: ERP system or other database-driven information concepts
- familiarisation with additive manufacturing; understand and execute the necessary data transfer
- familiarisation with an automated gear testing process as a quality assurance element
- use standard software throughout, become familiar with screen mirroring; make digital communication the standard
- understand and be able to describe basic concepts and characteristics of Industry 4.0