



MODULE 3: TECHNOLOGY - THE 3D-PRINTING PRODUCTION PROCESS



**Key questions (Module 3+4):**

Which data must be transferred from the ERP system to the production process?

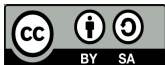
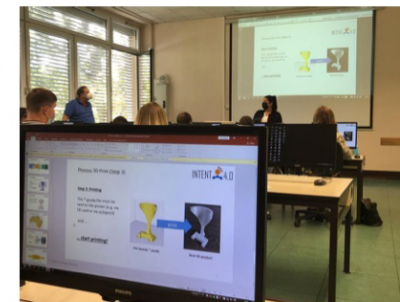
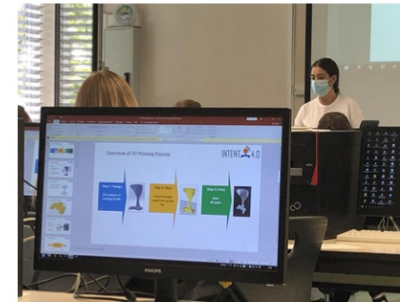
Which data from the production process can be used for business administration processes?

**Module 3: Everyone will experience the 3D printing process.**

The slide titled "3D-Printing" includes the text "From design to print" and "Using the print example of a 'Remote Control Carrier'". It features an image of a white 3D printed funnel-like object. Below the slide is a flow diagram titled "Overview of 3D Printing Process" with three steps: "Step 1: Design (3D program or existing 3D file)", "Step 2: Slice (convert design model into gcode file)", and "Step 3: Print (Start 3D print)".

The learners do a 3D print on their own. For this purpose, they look for their own models on the internet.

The necessary steps for printing were only mentioned qualitatively as instructions. The handling of the software had to be learned by intuition.



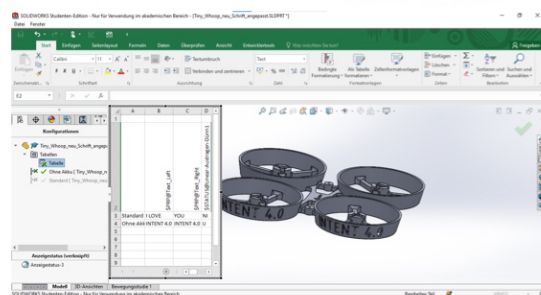
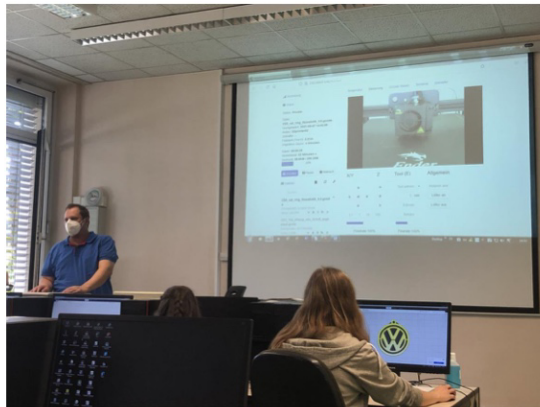
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MODULE 4: TECHNOLOGY - THE PRODUCTION PROCESS OF THE QUADCOPTER



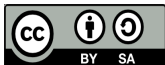
**Module 4:** Analyzing the production of the quadcopter



The production process is demonstrated to the learners.

In addition to the variant construction of the frame and the data in 3D printing, the learners can also assemble the quadcopters after printing.

This is the basis for the analysis of the production process. This allows the guiding questions from modules 3 and 4 to be answered.



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