

**NETKOM 4.0**

Netcompetence  
For A Digitized  
Working World 4.0



# Welcome to the output presentation of Eckener Schule

29th August 2023



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# AGENDA

- Education target related to cobots
- Lesson content at Eckener Schule
- The current state of equipment at Eckener Schule
- Planning for the future
- What else happened at Netkom 4.0



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# Education target related to Cobots:

Students should be able to:

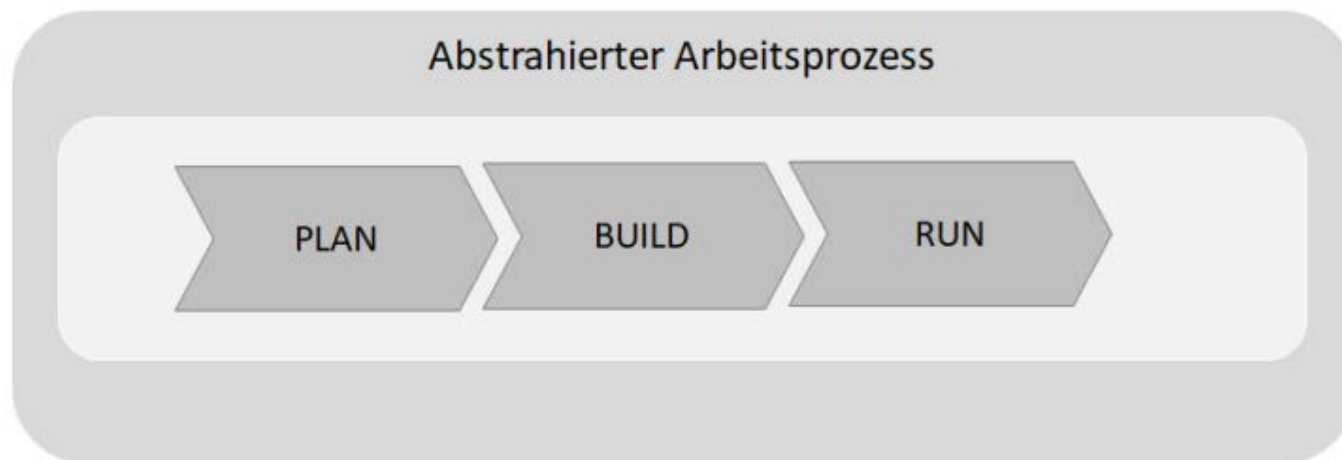
- Identify possible tasks for cobots in a production line.
- Select and purchase suitable cobots and consider economic aspects.
- Build up and program cobots.
- Carry out risk assessment



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# Lesson content at Eckener Schule:

To achieve the education targets we use the following process:



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# PLAN:



The PLAN step contains the following topics:

- Analysing production process.
- Identify which part of the production process can be carried out by a cobot.
- Identify suitable cobot to solve the task.



# BUILD:



The BUILD step contains the following topics:

- Procure or manufacture required hardware components
- Set up cobot, connect sensors or SPS
- Programming the cobot and carry out test runs
- Train staff



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# RUN:

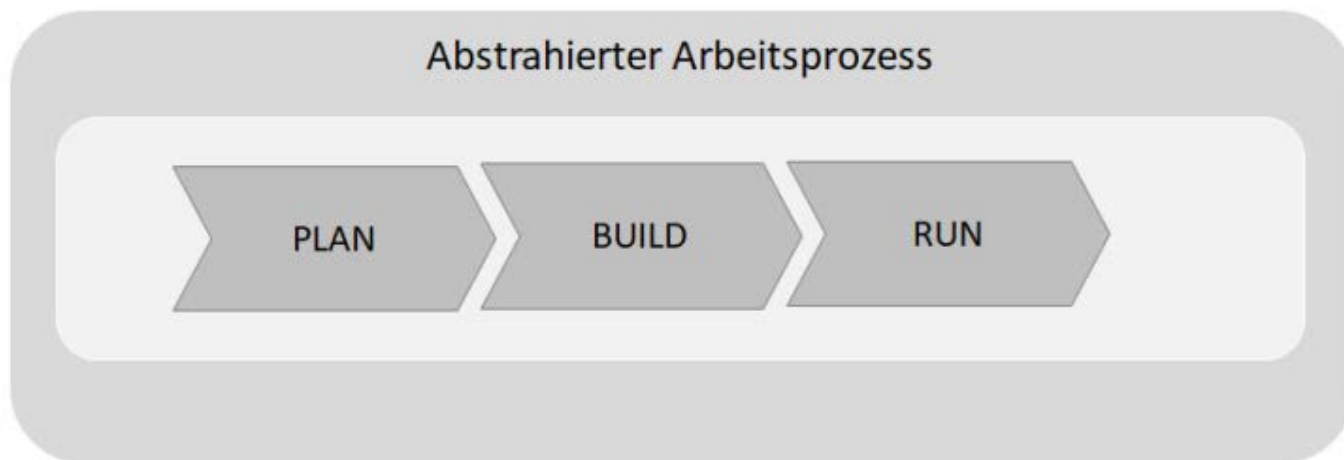


The RUN step contains the following topics:

- Risk assessment and CE- marking
- Check quality an performance
- Check profitability
- Optimizing the process / Cobot if necessary
- Maintenance and repair

# Lesson content at Eckener Schule:

To achieve the education targets we use the following process:





# The current state of equipment at Eckener Schule:



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# The current state of equipment at Eckener Schule:

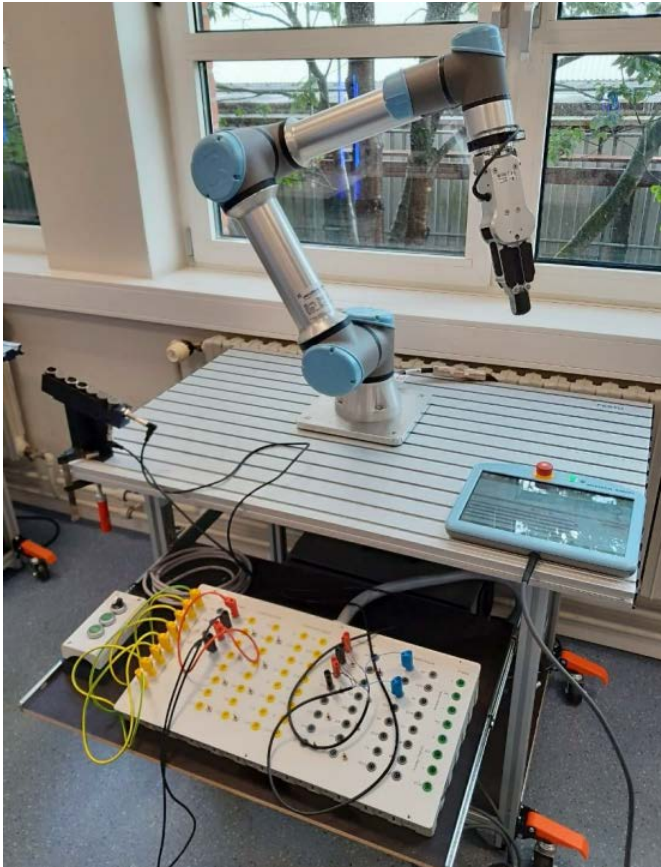


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ECKENER-SCHULE

# The current state of equipment at Eckener Schule:



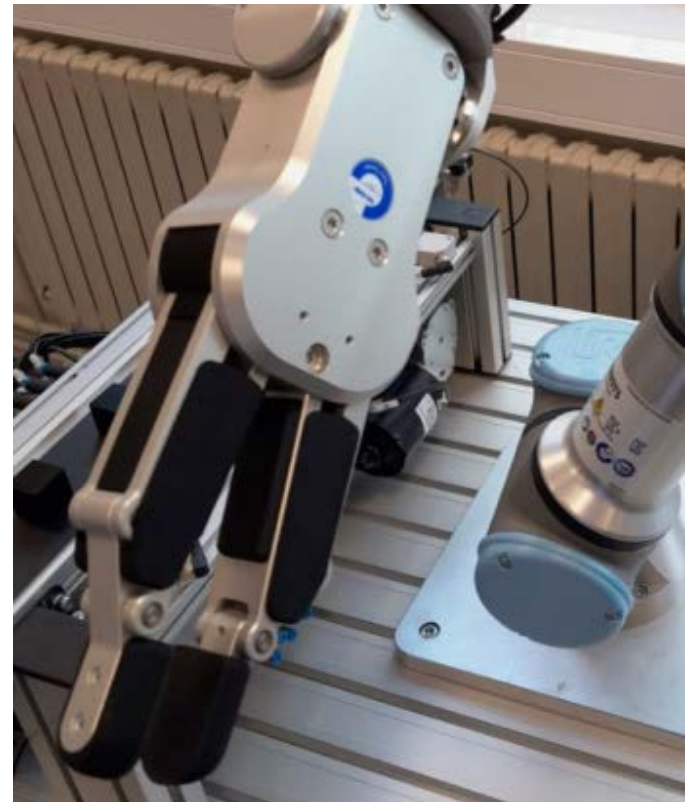
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# The current state of equipment at Eckener Schule:



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# The current state of equipment at Eckener Schule:



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# The current state of equipment at Eckener Schule:

We are currently teaching various education courses on the cobots at different levels.

- Technicians
- Industrial mechanics
- CNC machine operators



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# Planning for the Future:



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# Planning for the Future:

A separate laboratory will be created for robot technology!



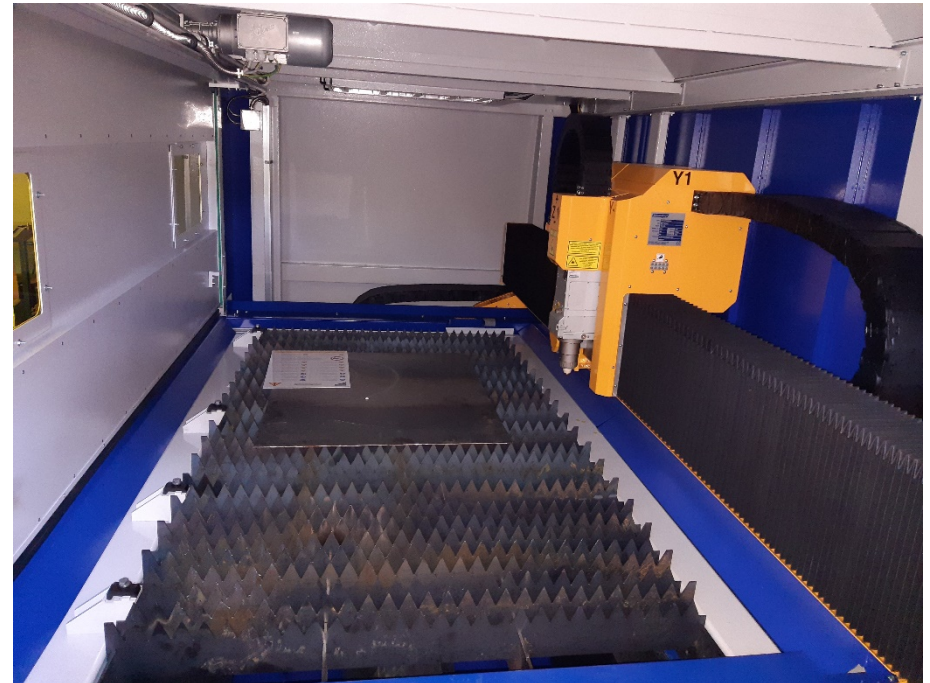
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# Planning for the Future:

We would like to connect the UR10 with our new CNC machines.



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# What else happened at Netkom 4.0??

- We have made great trips to European countries!
- We learned a lot about teaching life abroad!
- We have met friendly and open-minded colleagues everywhere



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# COBOT - TEAM



Birte



Constantin



Dietmar



Karsten



Maik



Marc



Thomas



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**Obrigado pela sua atenção.**  
**Thanks for your attention.**  
**Děkoju už jūsu dėmesj.**  
**Tak for din opmærksomhed.**  
**Vielen Dank für Eure Aufmerksamkeit.**



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