





***Campus 02***

***University of Applied Sciences***

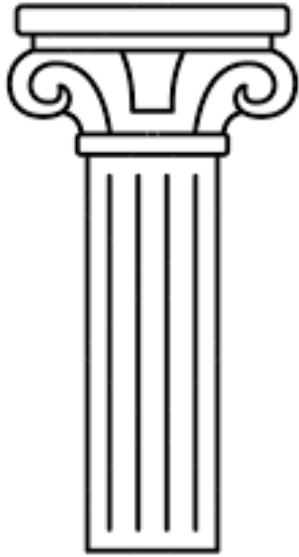
***Dr. Gregor Kandare:***

***Smart up your life***

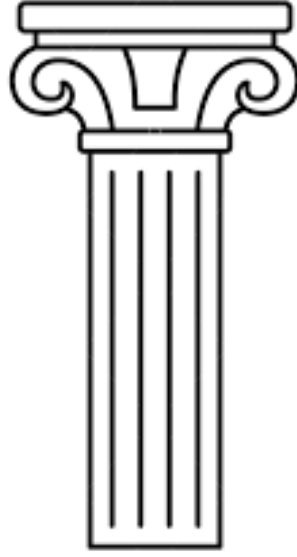
*„Simplify processes and make  
machines more efficient“*

*Quote from Leonardo Da Vinci 1452-1519*

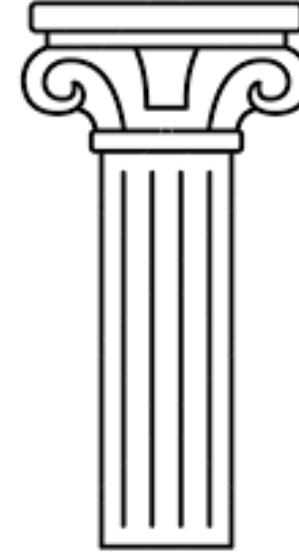




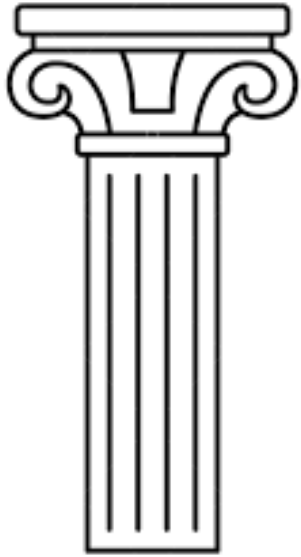
Electronics



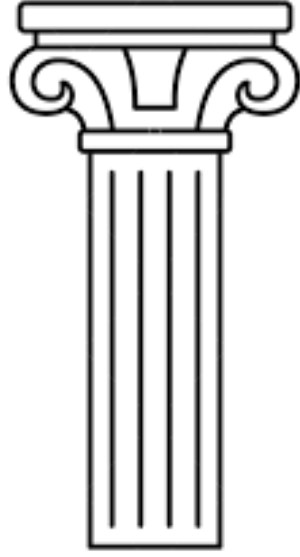
Information Technology



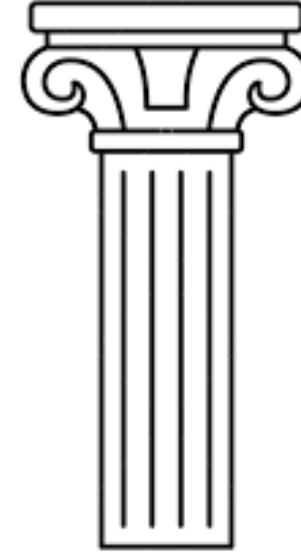
Mechanical engineering



Electronics



Information Technology



Mechanical engineering

Smart Automation: clever, intelligent solutions

## Robots

Robot vacuum



Robotic mower

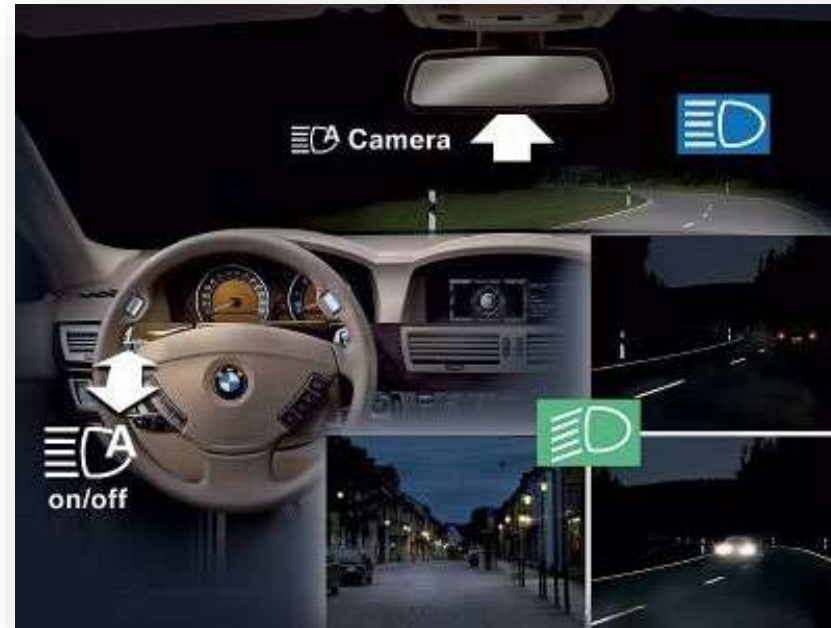


## Automotive applications

### Automatic windscreen wipers



### Automatic headlight control





## Automatic shades

### Windows



### Ceilings





- ② *Organisation form: Full-time*
- ② *Language: English*
- ② *Classes held: generally, Monday till Wednesday*
- ② *17 weeks / semester*
- ② *Programme starts: Mid-September 2022*
- ② *Approved places for enrolment: 25*
- ② *Qualification gained: Bachelor of Science in Engineering (BSc)*
- ② *ECTS: 180 Credits*
- ② *Tuition fees: 363,36 € / semester (Plus Austrian National Union of Students' contribution, currently 20.20 € for EU and EEA nationals)*

## 02 **Work-friendly**

- ideal for school graduates with or without previous work experience
- opportunity to step into the professional world while studying

## 02 **Focus**

- gain of specialist knowledge in the fields of IT, electronics and the core areas of automation technology
- the studies are complemented with skills relating to economics and soft skills
- offer a wide and varied network of companies who support the course with a focus on practical application and enable us to be on the cutting edge of technology

## 02 **Other information**

- for graduates from Austrian higher technical schools (HTL) → Recognition of individual courses in the 1<sup>st</sup> and 2<sup>nd</sup> semester are possible

- ② *Contents of "Industry 4.0" and " Digitalisation "*
- ② *Focus on operational technical activities in the core area of computer science of automation technology and its digitalisation*
- ② *Specialisations in **Product, Production** or **Process***
- ② *Lessons in English, optimal preparation for tasks in an international context*
- ② *Imparting job-relevant communication, social and methodological skills as an essential addition to the technical core areas*

- ② *Formal requirements*
- ② *Interests in technology*
- ② *English on qualification for university entrance (matura) level*
- ② *Support of your private environment*
- ② *Determination, resilience, endurance*
- ② *Team spirit, capacity for team work, motivation*



<b>6. Semester</b>	Bachelor Thesis 2 6,0 ECTS	Internship 23,0 ECTS					Scientific and Business Aspects 1,0 ECTS
<b>5. Semester</b>	Bachelor Thesis 1 5,0 ECTS	Control Engineering Advanced 4,0 ECTS	Product/Production/ Process Lecture 7,0 ECTS	Product/Production/ Process Seminar 5,0 ECTS	Electible Project 2 5,0 ECTS	Scientific and Business Aspects 4,0 ECTS	
<b>4. Semester</b>	Systems and Control Engineering 6,0 ECTS	Human-Machine Interaction 5,0 ECTS	Cyber Physical Systems 5,0 ECTS	Robotics, Security and Safety 6,0 ECTS	Electible Project 1 5,0 ECTS	Communication, Problem and Project Management 3,0 ECTS	
<b>3. Semester</b>	Transformations and System Analysis 5,0 ECTS	Mechanical Design and Fluid Technology 6,0 ECTS	Mobile and Database Solutions 4,0 ECTS	Measurement Sensors 3,0 ECTS	Electrical Sensors 4,0 ECTS	Embedded Systems 5,0 ECTS	Communication, Problem and Project Management 3,0 ECTS

**TOTAL 180 ECTS**

► **33 ECTS (18 %) Elective courses**

► **23 ECTS (13 %) Internship**

Natural Sciences
Electrical Engineering
Information Technology
Mechanical Engineering
Smart Automation
Smart Automation - Bachelor Theses and Internship
Foreign Language and Personality, Economy

# SMART AUTOMATION – SAMPLE TIMETABLE

				online		online					online		online		online							
MO	13.09.	20.09.	27.09.	04.10.	11.10.	18.10.	25.10.	01.11.	08.11.	15.11.	22.11.	29.11.	06.12.	13.12.	20.12.	27.12.	03.01.	10.01.	17.01.	24.01.	31.01.	07.02.
08:30								frei						frei		frei	frei					
09:15	SAI	TIM	ANA E	ANA	ANA E	ANA	ANA E	frei	BPI	ANA	ANA	ANA E	ANA	frei	ANA	frei	frei	ANA E	ANA	ANA E	ANA	ANA E
10:00								frei						frei		frei	frei					
10:30	SAI	TIM	ANA E	ANA	ANA E	ANA	ANA E	frei	BPI	ANA	ANA	ANA E	ANA	frei	ANA	frei	frei	ANA E	ANA	ANA E	ANA	ANA E
11:15	SAI	TIM	ANA E	ANA	ANA E	ANA	ANA E	frei	BPD	ANA E	ANA	ANA E	ANA	frei	ANA	frei	frei	ANA E	ANA	ANA E	ANA	ANA E
12:00								frei						frei		frei	frei					
13:00	SAI	TIM	ANA E	ANA	ANA E	ANA	ANA E	frei	BPD	ANA E	ANA	ANA E	ANA	frei	ANA	frei	frei	ANA E	ANA	ANA E	ANA	
13:45	EEB	TIM	EEB	BPI	CSA	BPI	CSA	frei	BPD	ACA	ACA	ACA	BPD	frei	ACA	frei	frei	BPD	ACA	ACA	SODE	
14:30								frei						frei		frei	frei					
14:45	EEB	BPI	EEB	BPI	CSA	BPI	CSA	frei	BPD	ACA	ACA	ACA	BPD	frei	ACA	frei	frei	BPD	ACA	ACA	SODE	
15:30	EEB	BPI	EEB	BPI	CSA	BPI	CSA	frei	ACA	ACA	ACA	ACA	BPD	frei	ACA	frei	frei		ACA		SODE	
16:15		BPI		BPI		BPI		frei			ACA		BPD	frei	ACA	frei	frei				SODE	
											online		online		online							
DI	14.09.	21.09.	28.09.	05.10.	12.10.	19.10.	26.10.	02.11.	09.11.	16.11.	23.11.	30.11.	07.12.	14.12.	21.12.	28.12.	04.01.	11.01.	18.01.	25.01.	01.02.	08.02.
08:30	EEB	TIM	EEB	CSA	EEB	EEB	frei	EEB	BPD	CSA	CSA	CSA	BPD	frei	BPD	frei	frei	SODE	SODE	SODE	SODE	
09:15	EEB	TIM	EEB	CSA	EEB	EEB	frei	EEB	BPD	CSA	CSA	CSA	BPD	frei	BPD	frei	frei	SODE	SODE	SODE	SODE	
10:00							frei							frei		frei	frei					
10:30	EEB	TIM	EEB	CSA	EEB	EEB	frei	EEB	BPD	CSA	CSA	CSA	BPD	frei	BPD	frei	frei	SODE	SODE	SODE	SODE	
11:15	EEB	TIM	EEB	CSA	EEB	EEB	frei	CSA	BPD	CSA	CSA	SOD	BPD	frei	BPD	frei	frei	SODE	SODE	SODE	SODE	
12:00							frei							frei		frei	frei					
13:00	SAI	TIM	SAI	SAI	CSA	CSA	frei	CSA	CSA	SOD	BPD	SOD		frei		frei	frei					
13:45	SAI	TIM	SAI	SAI	CSA	CSA	frei	CSA	CSA	SOD	BPD	SOD		frei		frei	frei					
14:30							frei							frei		frei	frei					
14:45	SAI	TIM	SAI	SAI	CSA	CSA	frei	SOD	CSA	SOD	BPD	SOD		frei		frei	frei					
15:30	SAI	TIM	SAI	SAI	CSA	CSA	frei	SOD	CSA	SOD	BPD	SOD		frei		frei	frei					
16:15							frei							frei		frei	frei					
											online				online							
MI	15.09.	22.09.	29.09.	06.10.	13.10.	20.10.	27.10.	03.11.	10.11.	17.11.	24.11.	01.12.	08.12.	15.12.	22.12.	29.12.	05.01.	12.01.	19.01.	26.01.	02.02.	09.02.
08:30	SAI	BPI	CSA	EEB	CSA	CSA	frei	CSA	BPD	CSA	BPD	SOD	frei	frei	BPD	frei	frei	SOD	SODE	SODE		SOD
09:15	SAI	BPI	CSA	EEB	CSA	CSA	frei	CSA	BPD	CSA	BPD	SOD	frei	frei	BPD	frei	frei	SOD	SODE	SODE		SOD
10:00							frei						frei	frei		frei	frei					
10:30	SAI	BPI	CSA	EEB	EEB	CSA	frei	CSA	BPD	CSA	BPD	SOD	frei	frei	BPD	frei	frei	SOD	SODE	SODE		
11:15	SAI	BPI	CSA	EEB	EEB	SAI	frei	CSA	BPD	CSA	BPD	SOD	frei	frei	BPD	frei	frei	SOD	SODE	SODE		
12:00							frei						frei	frei		frei	frei					
13:00	EEB	BPI	EEB	SAI	EEB	SAI	frei	SOD	CSA	SOD	SOD	ACA	frei	frei	ACA	frei	frei	ACA	ACA	ACA		
13:45	EEB	BPI	EEB	SAI	SAI	SAI	frei	SOD	CSA	SOD	SOD	ACA	frei	frei	ACA	frei	frei	ACA	ACA	ACA		
14:30							frei						frei	frei		frei	frei					
14:45	CSA	BPI	EEB	SAI	SAI	SAI	frei	SOD	CSA	SOD	SOD	ACA	frei	frei	ACA	frei	frei	ACA	ACA			
15:30	CSA	BPI	EEB	SAI			frei	SOD	CSA			ACA	frei	frei	ACA	frei	frei	ACA	ACA			
16:15							frei						frei	frei		frei	frei					



## AREAS OF ACTIVITY:

- Product and application development (calculation, planning, manufacturing)
- System integration and start up (hardware, software, programming)
- Process optimisation (control engineering)
- Instrumentation (acquisition, preparation, transmission, management, analysis, visualisation of data)
- Testing technology (simulation, analysis and synthesis)
- Testing and quality management (maintenance, service and repair)
- Technical product management and sales
- Production (planning, control, management, logistics)

## 02 *Application process*

- online application under [www.campus02.at](http://www.campus02.at)
- written admission test
- submission of further documents
- personal interview conducted by an admission committee
- **application deadline: 31 March 2022**

## 02 *Application criteria*

- ✓ school-leaving certificate (Matura, A-Levels, maturity diploma, etc.)
- ✓ or University entrance qualification exam
- ✓ or a specialized professional qualification (apprenticeship, etc.) and additional examination by CAMPUS 02
- ✓ English language skills of at least level B1/B2 according to the CEFR



## 02 **Hardware**

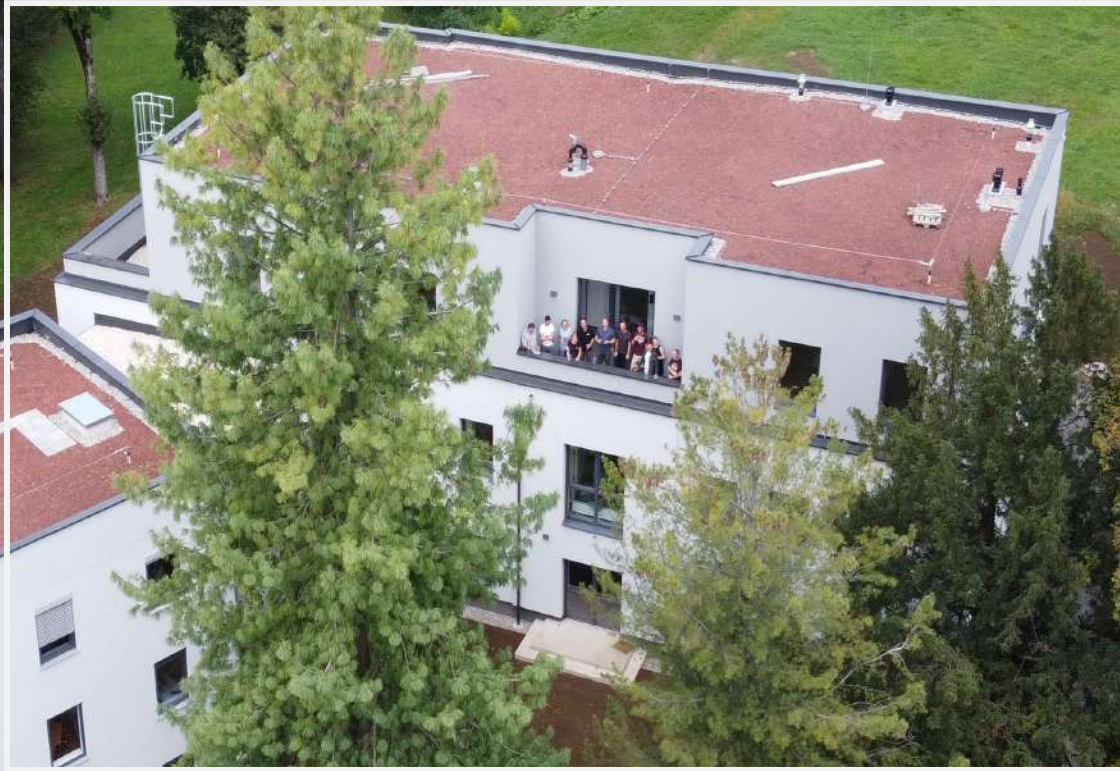
- House of automation, 1000m<sup>2</sup> in 3 floors
- R&D labs for Electronics, Informatics, Robotics and Rapid prototyping

## 02 **Software**

- SolidWorks/SolidWorks Simulation
- Altium
- SimulationX
- Plant Simulation/Process Designer/  
Process Simulate
- Matlab/Simulink
- LabVIEW
- Automation Studio
- Microsoft Visual Studio
- Keil uVision

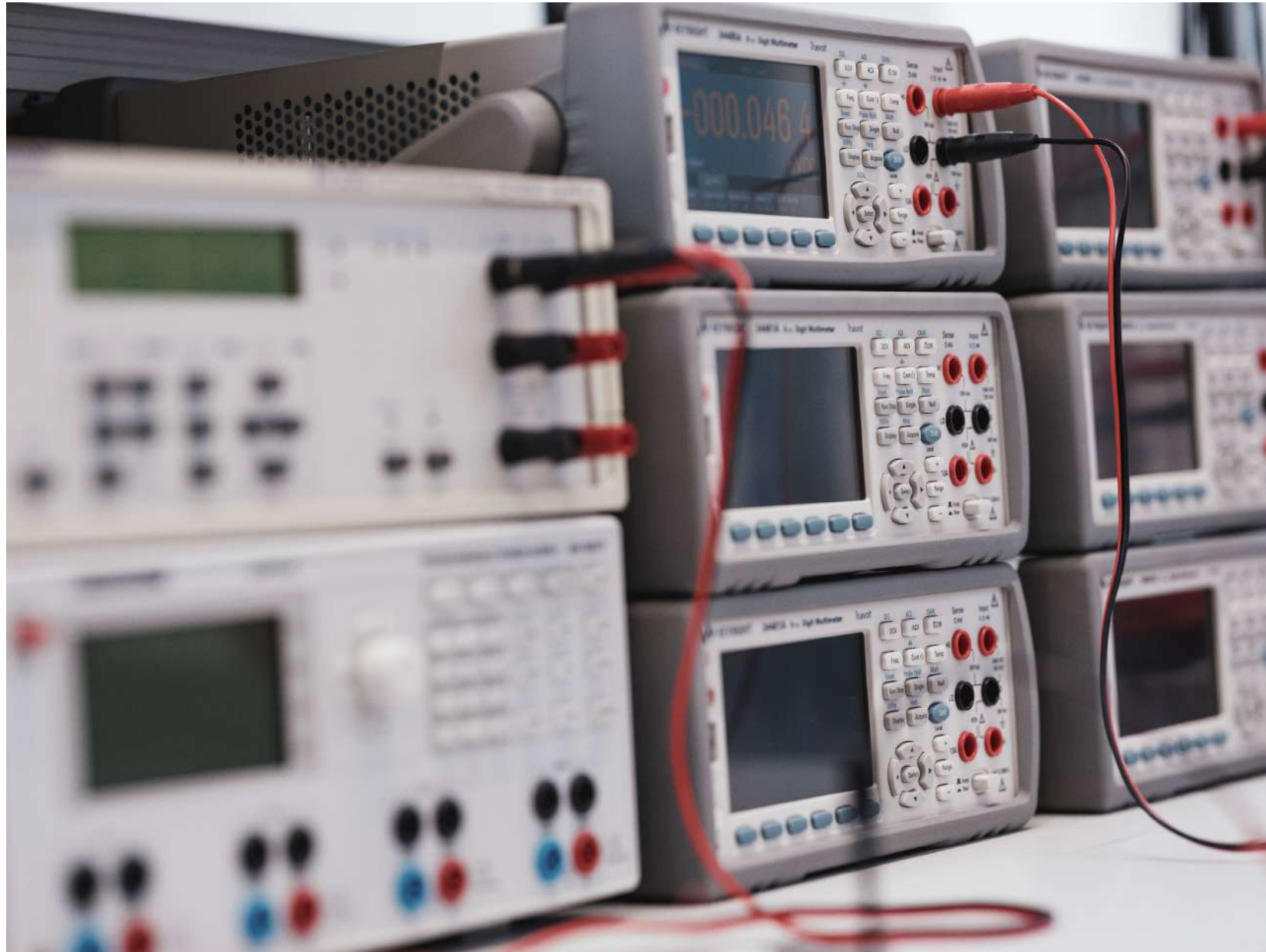


# House of Automation



































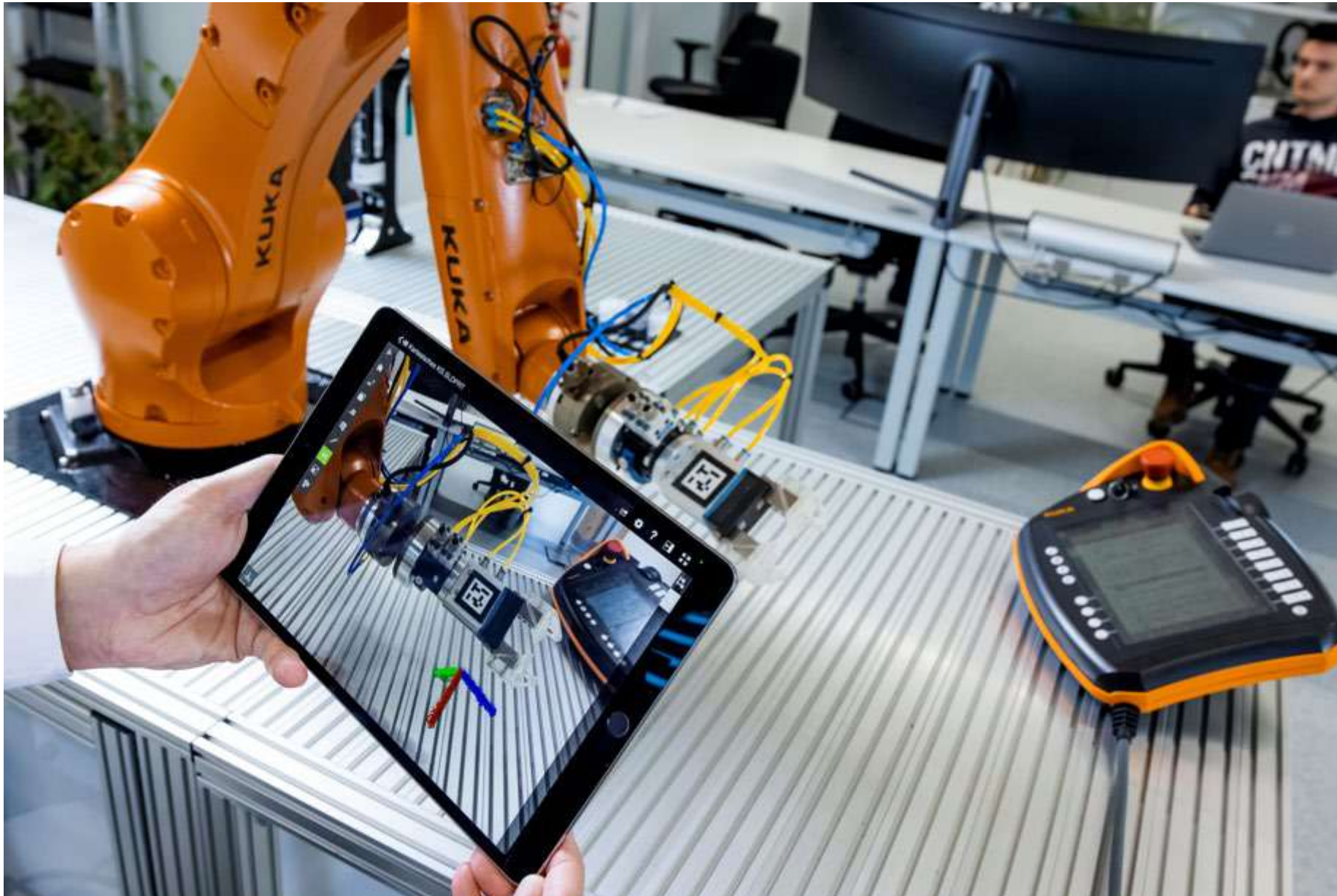








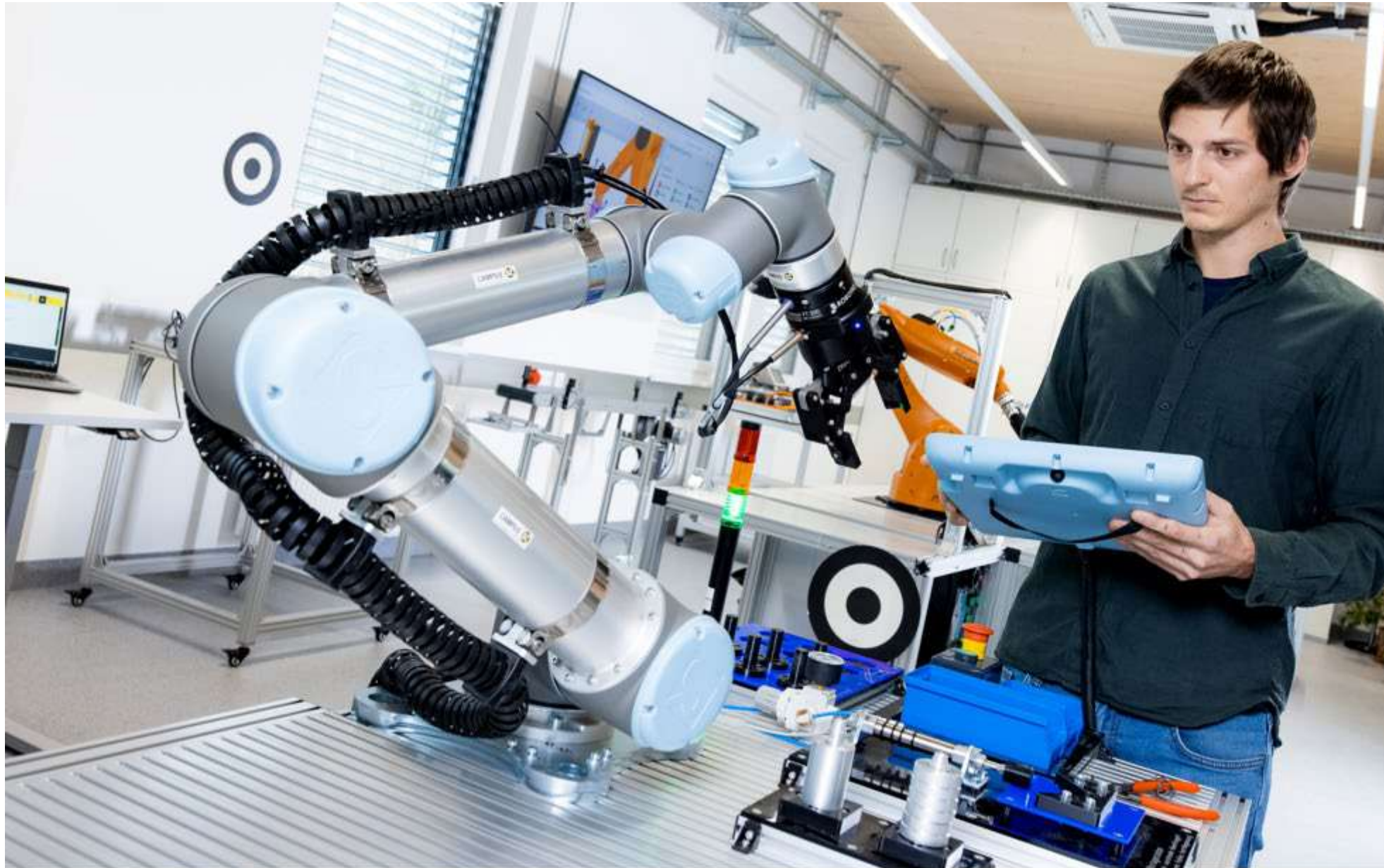














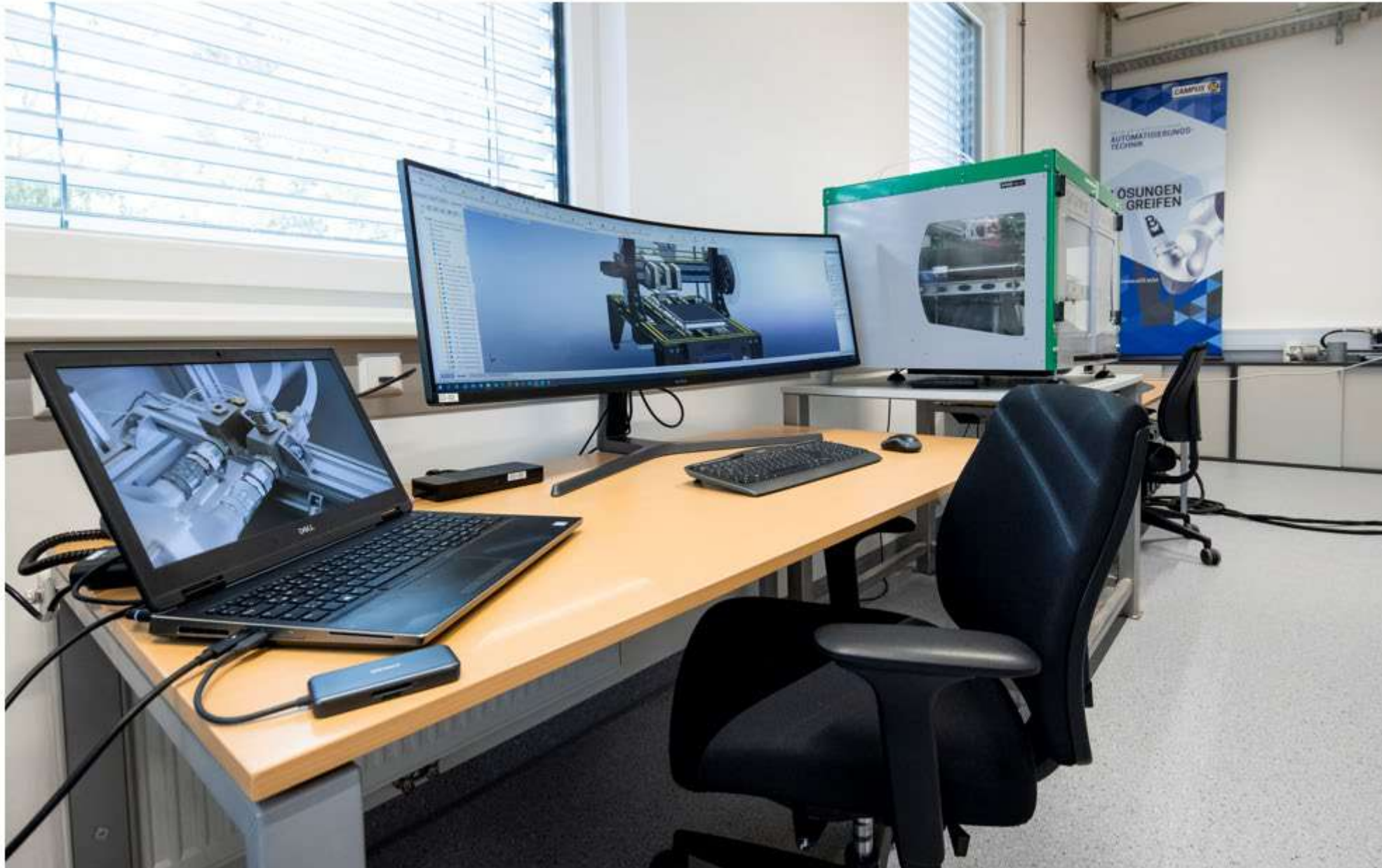




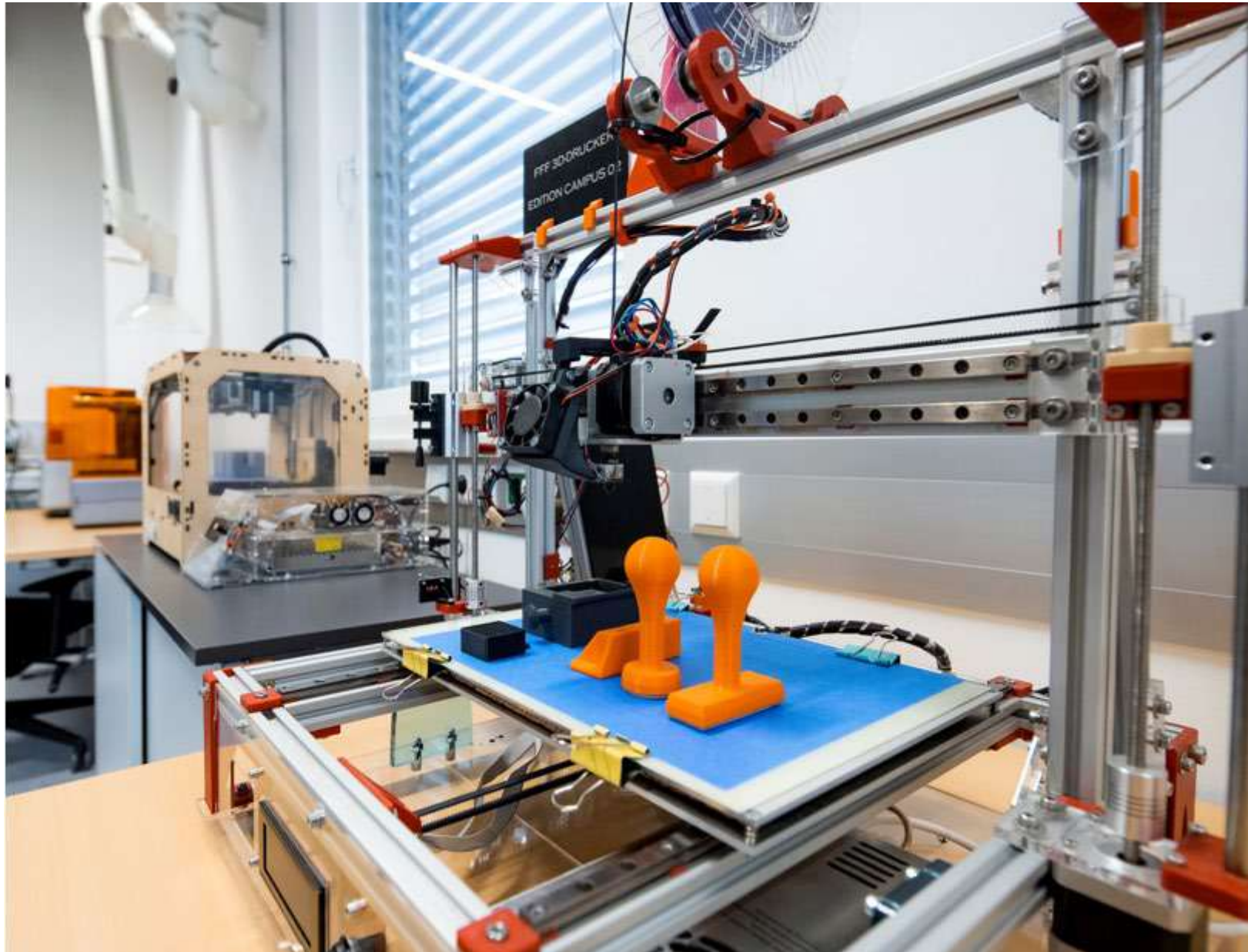


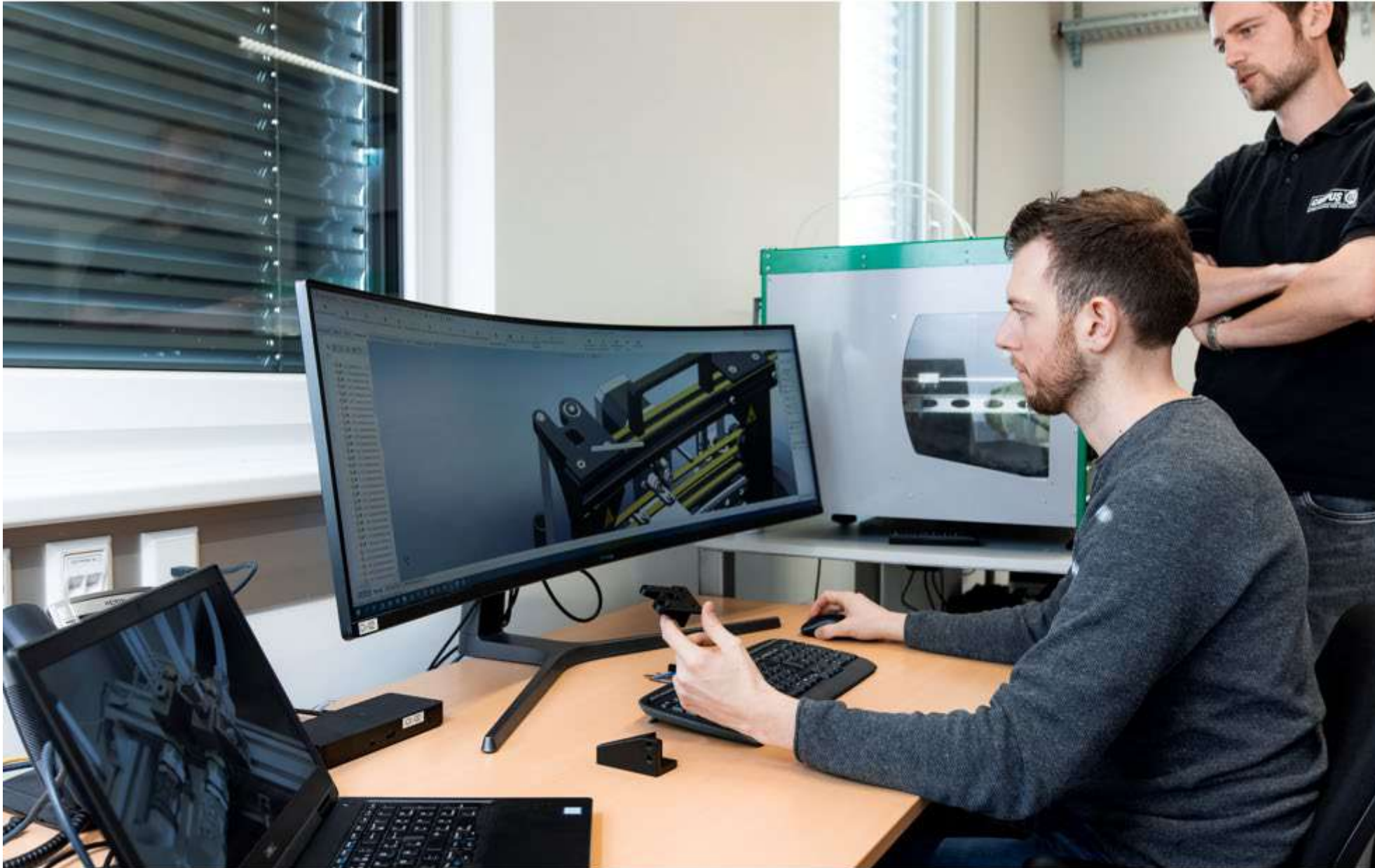






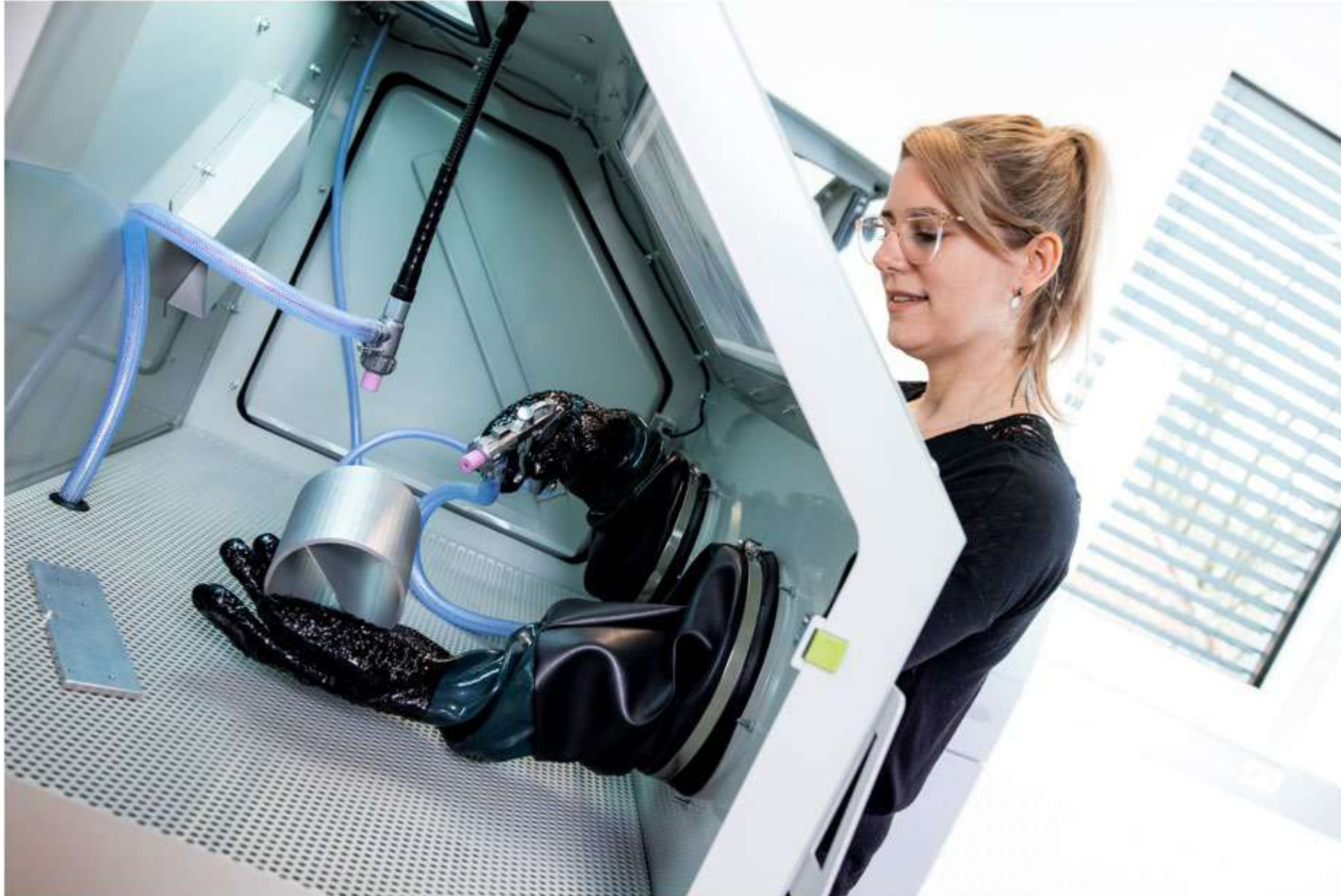














Impressions of  
FH CAMPUS 02

CAMPUS







*Thank you for your interest!*

*Contact for your future!*

*gregor.kandare@campus02.at*

+43 316 6002 - 8927

[www.campus02.at](http://www.campus02.at)

