

News from the Ing./Tech. Group

Michael Korntheuer

on behalf of the IIHE Engineers and Technicians

IIHE annual meeting

Brussels – November 10, 2025



Our Engineers and Technicians

VUB



Golnaz

ULB



Yifan

Yannick

Michael

Annie

Benoit

Pierre

Soon... Fakhri



What we provide

- Design and build electronics and mechanical parts
- Assist, review and give advice with technical challenges
- Prototyping
- Maintaining, fixing and improving research and student setups
- We assist and supervise students
- Communication and follow-up with suppliers and manufacturers
- Ordering, shipments, logistics...

Our workload

			GEM	CMS	Radio	UHECR	JUNO	R&D	General
ULB									
Yannick Allard 50% FTE				40%				5%	5%
Yifan Yang			10%	40%		10%	20%	20%	
Benoit Denègre 50% FTE				40%				5%	5%
Pierre Dewulf				80%					20%
Michael Korntheuer				70%	15%	15%			
Annie Mboube Mboule				100%					
VUB									
Golnaz Sherafatipour				100%					

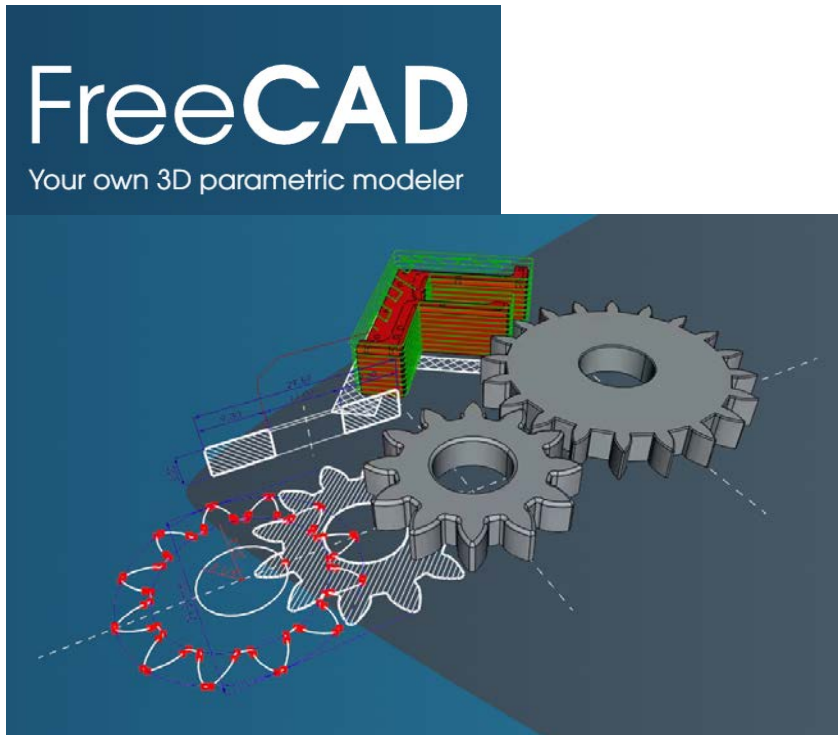
Your project too? Talk to Gilles and Juanan...

Tools we have

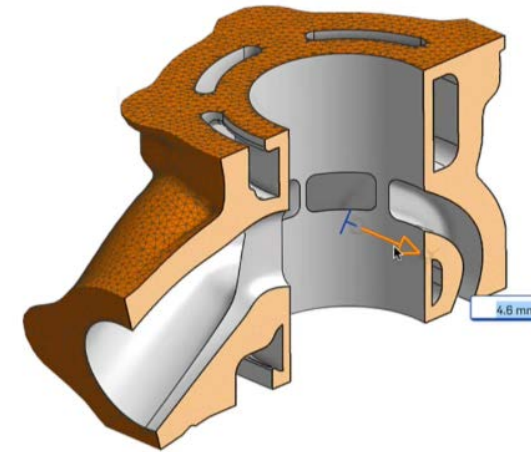
- 3D printers, filament and resin



3D CAD software



- Free, open source
- Very popular



- Proprietary but free to use
- Popular
- Fully online webapp, no install
- Your files are public...

More tools...

- A lathe and 2 mills
- Industrial band saw and circular saw
- Drill press, hydraulic press, all kinds of grinders
- Waterjet cutter (cuts almost anything)
- PCB mill, stencil printer and reflow oven
- All kinds of soldering gear
- Many hand tools
- ...

If you lend a tool from us...

1: Ask us... we are friendly

2: Bring it back by **THE END OF THE DAY!**

If you need a hand tool regularly,
order one for yourself...

Other things we have done recently

- Repair the water leaks in the mechanical workshop
- Install LED lights in mechanical workshop, storage room, radio lab, Auger lab...
- Removal of the old journals (120 m of shelves, 11 m³, 9 ton)
- Clean out of the mechanical workshop and storage room (ongoing...)
- Move of the old electronics storage to the new lab (ongoing...)

...things that VUB infrastructure fails to do

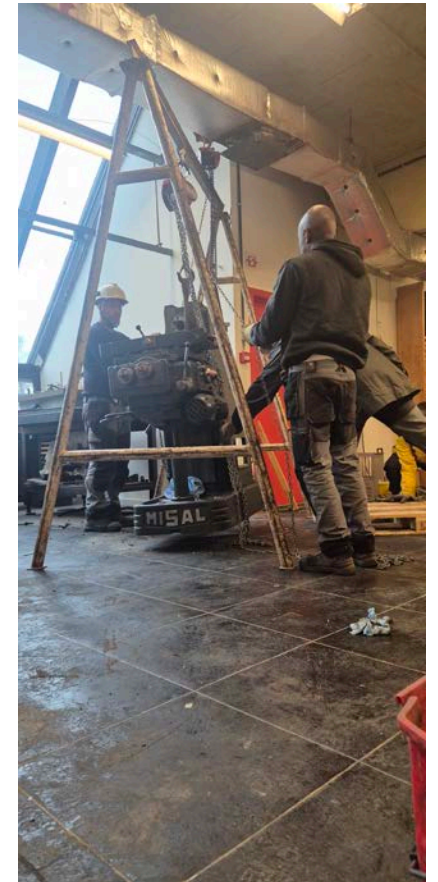
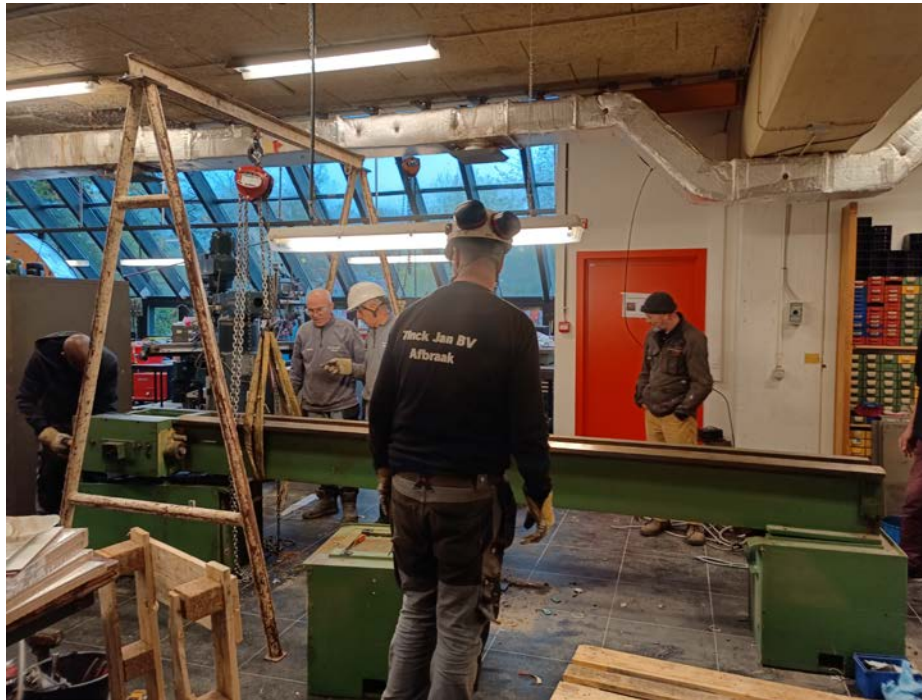
Water leaks...



Only 38 holes to fix...



Removal of old machines



Mechanical Workshop



Clean out of the storage room



Take care of your waste!

- Do NOT dump your rubbish in our workshop, storage room, labs...
- Use the waste containers in the underground parking
 - Paper and carton
 - Electronics and computers
 - Glass
 - General waste

Mail infradesk@vub.be for your furniture and large items

Electronics Lab



Future

- Finish the move and the installation of the electronics lab
- Fully clean out the mechanical workshop
- Storage room:
 - Fix water leaks
 - Improve lights
 - Get a new floor
 - Move in some of the machines from the mechanical workshop