

COLLECT YOUR OWN EXPERIENCES

A student internship in the engineering field

So many professions in one place - is there something for me?

Can I implement what I have studied and bring in my ideas?

Aerosol and particle technology - what exactly is behind it?

Three months of internship offer many opportunities to try things out, apply knowledge from your studies and get to know everyday working life. For us as an internship company, it's a great opportunity to support the next generation and to discover new talents. So, it's a win-win situation.



COLLECT YOUR OWN EXPERIENCES

How does such an internship begin?



Jonas, a mechanical engineering student at the Technische Universität Dresden (TUD) in his main course of studies, decided to do the internship on his own initiative, as the worldwide Corona pandemic limited his opportunities to gather practical experience. That's why he wanted to get a taste of practical experience before writing his diploma thesis and visited our homepage to get a first impression. With the hope of many exciting fields of work, his application followed and finally, shortly after, the start of three months of practical work. Our welcome for him: a well-equipped workplace with the project engineers, his direct contact person, many motivated and advising colleagues at his side, and thanks to the Topas starter kit and the company tour—a good initial overview.

COLLECT YOUR OWN EXPERIENCES

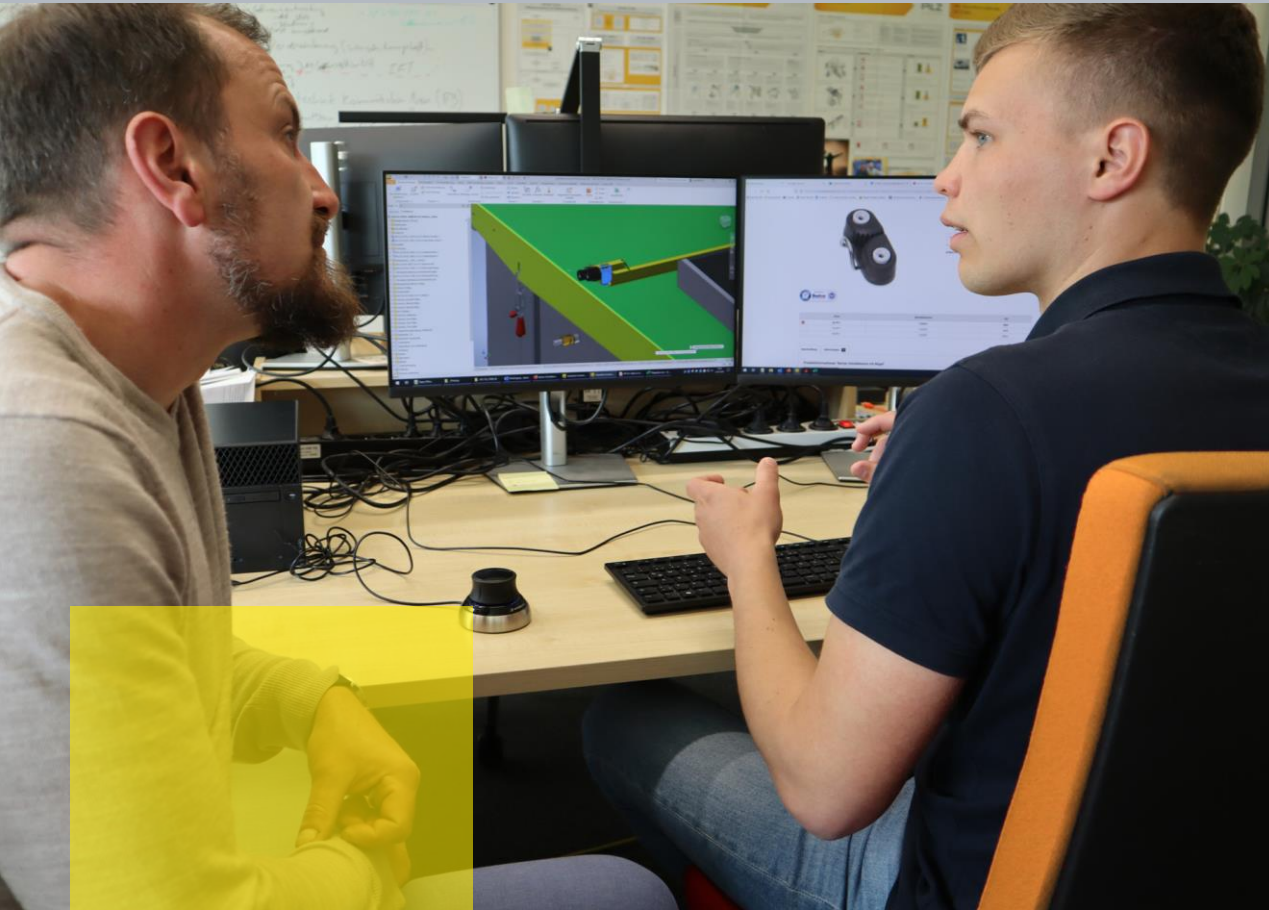
What exactly does a prospective mechanical engineer do during three months of practical training at aerosol specialist Topas?

The initial topic for his internship was to develop “ideas for a process-optimized filter mounting on the flowbox of the AFS 152 filter scanner”. Furthermore, Jonas was asked to develop design modifications for various series devices such as SAG 410 dust generator and ATM 240 aerosol generator. In addition to measurement and validation tasks, another target task was to optimize customer-specific adaptation systems for filter test system and to propose possible adaptations. In doing so, our intern took the opportunity to take a close look at the relevant technologies, to ask for background knowledge and, of course, to contribute his own domain knowledge from subjects such as “Designing with CAD”, “Machine Elements”, or “Production Engineering”.



COLLECT YOUR OWN EXPERIENCES

What exactly does a prospective mechanical engineer do during three months of practical training at aerosol specialist Topas?



His integrative training as an International Welding Engineer was also helpful for Jonas: in various activities in production, self-constructed test setups, and especially in the overarching understanding that a design engineer should have. “The internship is really varied and I can work quite independently. At the same time, there’s always someone to answer my questions and help me along.” After a quarter of a year among project engineers, mechanics, and developers, our intern reports quite a few insights into validation and measurement tasks, as well as a number of newly acquired skills, such as designing components to be more production-oriented or complementary methodologies and approaches to practical tasks. His desire to be active in design, to draw 3D views, and to be allowed to contribute his own ideas has also been fulfilled.

COLLECT YOUR OWN EXPERIENCES

What opportunities are there for students in general?

In addition to papers, both compulsory internships and voluntary internships are possible at Topas for up to 6 months during studies or a break from the lecture hall. If both sides are enthusiastic, nothing stands in the way of a joint diploma, bachelor, or master thesis with us. A tip from Jonas to anyone who wants to apply to a company: “Get to know the company beforehand. See if the topics interest you and how promising the company seems. If you can already experience a tour during the job interview, that’s a great sign. That’s how it was with Topas and the good impression that I made at first was confirmed for me.”



COLLECT YOUR OWN EXPERIENCES

What opportunities are there for students in general?



Internships are possible in the following departments as part of the degree programme:

- Research and Development
- Integrative Applications
- Engineering and Project Management

More information on student internships, diploma/thesis or master's thesis or the actual application can be found in the study section of our [Topas Campus](#).

*See you soon
with us!*