



Bachelor's / Semester / Master's thesis or IDP

Did you know that one single container ship emits more CO₂ than 65,000 cars?

At **CargoKite** we are keen on changing this by developing the sailing ship of the 21st century. Our autonomous, micro container ship is powered only by wind and consists of two key components: a kite to pull the ship and our unique, patent pending ship design.

Our ship concept is a dynamically controlled system. As a result, many of our core challenges stem from robotics, control engineering and embedded systems. We are currently working full steam ahead on our prototypes and are looking for motivated students who would like to write a thesis with us. Topics could be in the areas of:

- Development, building and testing of sensor concepts for dynamic water surface measurements and positioning in 3D space
- Sensor data processing and fusion
- Hardware & software architecture for embedded systems
- Control engineering (e.g. (flight) control algorithm adaption)
- Power management systems
- Image processing for maritime applications

Your profile

- Student in a relevant field looking for a thesis/IDP
- Ideally first experience relevant to the desired thesis topic
- Interest in cutting edge technologies that contribute towards more sustainability
- Interest in gaining experience in an early-stage startup
- Motivated, independent, and target-oriented work approach

What we offer

- Support in finding a fitting advisor - We are already in contact with multiple chairs.
- A thesis topic tailored for you - We want you to work on a thesis that you're actually interested in. Hence, we will determine the exact topic together with you.
- Become an early team member of CargoKite and experience development of an early stage, high-tech startup
- Workspace in our office
- A young team with flat hierarchies

Interested? Get in touch!

Contact: Max Perschen, max@cargokite.com | **Visit our website:** www.cargokite.com

Not quite your topic? Get in touch anyway and we'll explore other potential options together!