

At the Chair of Logistics and Supply Chain Management of TUM School of Management in cooperation with Volocopter, we are looking for an interested and qualified student to conduct his/her

Project study

on the topic

Supply Chain Process Design for Urban Air Mobility Technology

Volocopter is a pioneer of electric air taxis (electric vertical takeoff and landing aircraft - eVTOLs). They have pledged to bring urban air mobility to life by getting electric air taxis and other eVTOLs off the ground in a way that complements existing transportation options in megacities across the globe. The aim is to offer affordable, on-demand air taxi services that fly people to their destination quickly and safely. In 2011, Volocopter carried out the first-ever piloted flight of a fully electric multicopter and have since conducted more than 1,500 public and private test flights across the world.

As Business Process Architect Project Student in the COO Office, you will be an integral part of the Volocopter Operations team, helping to create and improve the processes needed to bring urban air mobility to life. The team is at the heart of delivering safe and fully functional aircraft including Prototyping, Manufacturing Engineering, Procurement, Production, Logistics, Quality, Infrastructure and Facilities, PMO, Program Management, and Strategic Supply Chain functions.

The project study will look at improving and building robust processes around the supply chain and logistics efforts. These include areas ranging from route planning, inventory management, to aircraft packaging and logistics surrounding market launch.

You will be responsible for analyzing existing processes, interviewing process users, providing improvement recommendations and supporting their implementation:

- You analyze processes within and between operations teams, as well as between operations teams and other departments (end-to-end).
- You challenge, collaborate, and improve processes with responsible department heads and process users.
- You design and deploy process changes to standardize, catalog and optimize business process flows.
- You support the compliance of processes with aviation regulations, and safety standards.

Key project tasks:

- Literature review on relevant aerospace and start-up processes needed for various levels of company and product maturity.
- Analysis of factors one should consider when creating processes in an innovative and fast-

growing company.

- Change management around new processes.
- Methods for definition of processes ranging from interviews with processes users to team workshops.

Requirements:

- The project study is offered for a group of 2-3 bachelor/master students at TUM School of Management with a focus on Operations and Supply Chain Management.
- The ability to structure the research (e.g., exploration, focusing, validation and detailing), to work independently, as well as analytical skills are required.
- Ability to communicate ideas, concepts and positions.
- Ability to visualize or model processes/ workflows.
- Superior interpersonal skills to network and influence at all levels.
- Fluent in English

Earliest begin: flexible from November onwards

Supervisor: Tbd.

Application: Email with curriculum vitae and transcript of records to logtheses.log@mgt.tum.de