



Eidgenössische Technische Hochschule  
Swiss Federal Institute of Technology

Department of Management, Technology, and Economics  
Chair of Production and Operations Management  
[www.pom.ethz.ch](http://www.pom.ethz.ch)



Zürich, 23<sup>th</sup> October 2023

## Master Thesis Opportunities in Norway, HS2024

Are you interested in solving Production and Operations Management (POM) problems with real industrial impact—and doing your thesis abroad in Norway? Here's a unique opportunity for an adventurous candidate.

In cooperation with engineering company [Aker Solutions](#), we offer a master thesis opportunity for the right candidates. The master thesis provides a great opportunity to learn valuable industrial insights. Direct supervision by the experienced experts from Aker Solutions will be provided, together with supervision from the Chair of POM. This long-standing and successful cooperation has hosted four previous Master's Students from ETH.

For this cooperation, we offer two topics where the first is preferred:

**Preferred topic:** Generative AI for workplace safety in manufacturing

**Alternative topic:** AI-based scheduling optimization for pipe & spool manufacturing and logistics

**Industrial Partner:** [Aker Solutions ASA](#), Stord yard

Aker Solutions delivers integrated solutions, products and services to the global energy industry. With about 16,000 employees at 50+ locations in 20+ countries, Aker Solutions enables low-carbon oil and gas production and develops renewable solutions to meet future energy needs. By combining innovative digital solutions and predictable project execution, Aker Solutions accelerates the transition to sustainable energy production.

**Duration:** Each topic as MSc thesis (6 months)

**Start:** Autumn Semester 2024, with a flexible start date

**Requirement:** Good performance in the POM course is desired but not strictly necessary if the candidate can show other preferred skills. Coding skills and basic AI knowledge are requirements. Advanced AI/NLP knowledge is a great plus. The most important traits are attitude and drive.

**Workplace:** Aker Solutions yard at Stord on Norway's west coast

<https://www.akersolutions.com/contact/offices/europe/norway/stord/>

Travel and stay are covered by Chair of POM and Aker Solutions.

Working language is English.

**Contact person ETH:** Alexander Albers, [thesis-pom@ethz.ch](mailto:thesis-pom@ethz.ch), thesis coordinator

**Supervisors ETH:** Qixuan (Kevin) Zhang and Prof. Torbjörn Netland

**Application:** Please send your application letter, CV, and transcripts.