



NTNU

# Endre Sølvsberg

About me and a preliminary description of my PhD

- Master in Sustainable Manufacturing. Built a prototype model for condition monitoring and RUL estimation using statistical methods and process control for jet engines in my master's thesis.
- Worked at SINTEF Manufacturing with topics like Industry 4.0 and Zero-Defect Manufacturing. Experience from I4.0 projects like CPS-Plant, EU Qu4lity and EU DAT4.ZERO performing tasks like contributing to WP deliverables, task management, KPI descriptions and requirements, analysis and technical work in industrial pilots including Philips, Continental, Benteler and Hydro/Hycast.
- Worked as a lecturer at NTNU in Gjøvik in Statistical methods for master's students. Also as a research assistant in qualitative methods, ethics and sustainability, quantitative methods and macroeconomics.

- PhD is funded externally by OKEA as part of BRU21
- OKEA is an independent oil company focusing on the norwegian continental shelf
- Main focus is extending and maximizing the lifetime for aging oil platforms
- A tentative methodology will include using classical statistical methods for estimating platform health and RUL allowing for modelling of optimal predictive maintenance strategies for maximizing lifetime
- Working with Odd Myklebust at SINTEF Manufacturing connecting the PhD to the DAT4.ZERO EU project as well.