

Master Thesis - “Concept study for new AM applications” (30 credits/20 weeks – 1-2 student[s])

About us

GKN Aerospace is the world’s leading multi-technology tier 1 aerospace supplier. With 33 manufacturing locations in 12 countries, we serve over 90% of the world’s aircraft and engine manufacturers. We design and manufacture innovative smart aerospace systems and components. Our technologies are used in aircraft ranging from the most used civil aircraft to the world’s advanced 5th generation fighter aircraft and the Ariane orbital rockets used by ESA.

Project Background

The AM HPC Split Case Family project within Material Solutions BU is aiming to finding opportunities for AM introduction within the HPC Split Case product family. To find relevant concepts, a combination of product requirements, customer knowledge, manufacturing technologies, material properties and cost factors need to be combined. Sustainability and material savings compared to conventional manufacturing methods is another important factor.

Assignment Description

This master thesis would aim to evaluate the concept book developed by the project team, compare the concepts based on the product requirements and give suggestions to improvements from cost and manufacturing perspective and recommendations on way forward. You will be part of the AM HPC Split Case Family project and have the support from the experienced team.

Qualifications

- Bachelor or Masters within mechanical engineering, product development or equivalent.
- Previous modelling knowledge in CAD, preferably Siemens NX.
- Basic knowledge in mechanical engineering analysis methods, metallurgy, machining and/or AM methods.

Apply by

Send your resume and cover letter [additional documents if necessary] to Cecilia Lindahl, Cecilia.lindahl@gknaerospace.com

Last date for application: N/A

