EFFECT OF TOW MATERIALS AND PROCESS PARAMETERS ON PROPERTIES OF STRUCTURAL QEE-TECH COMPONENTS

**Company**
EELCEE develops and produces advanced tailored thermoplastic composite solutions for high volumes. The company is a spin-off company from the Swiss Federal Institute of Technology in Lausanne where research has been conducted for several years. In 2008 the company was founded in Switzerland and further established in Sweden in 2012 after an investment by Fouriertransform AB.

**Background**
QEE-TECH is a technology where tailored reinforcements of continuous fibers are produced which are thereafter overmolded through injection or compression molding. The technology gives the opportunity to produce optimized structural components at high volumes enabling low weight and cost. This technology is now being industrialized at our facility in Örkelljunga.

**Assignment**
The assignment will be to evaluate several critical process parameters to support in the industrialization of the technology. The evaluation will include a thorough investigation of the already conducted research as well as conducting a test series. The goal is to define several critical parameters connected to structural properties of the finished component. These results will also support in the optimization of the material models being developed.

**Educational background**
Mechanical Engineering, Product Development, Materials Engineering, Applied Mechanics or Production Engineering

**Thesis**
The thesis will be conducted in both Trollhättan and at our production facility in Örkelljunga.

**Contact:** Anders Holmkvist, 0708-101632, anders.holmkvist@eelcee.com

**Application**
Shall include:

- CV
- Personal letter
- Grades

Send application to anders.holmkvist@eelcee.com

Further information about the company can be found on [www.eelcee.com](http://www.eelcee.com)

**Department** Materials and Manufacturing Technology