

European Project RTP 103.014-CAFV

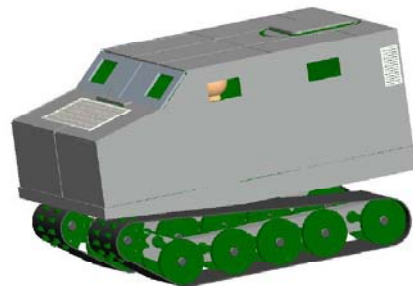
Client: Kværner Eureka a.s

European project including France, Italy, England, Denmark and The Netherlands in the development of Carbon Fibre for Vehicle (CAFV). The aim of the Norwegian consortium, consisting of Forsvarets Forskningsinstitut (FFI), Kværner Eureka a.s and FiReCo, is to develop a design platform for lightweight carbon fibre vehicles with add-on armour. FiReCo is handling all aspects of structural design and analysis, including the design of an effective test program for material selection, material characterization, raw material and production control. A full-scale technology evaluation is performed on a modified Hägglunds BV 206, used by the Norwegian army.

- Developed cost-effective material testing program
- Material screening, selection and characterisation
- Production procedure and production QC
- Structural design
- Strength analysis
- Fixation of add-on armour
- Full scale testing of modified vehicle



Foto: Alvis Hägglunds. BV 206 all terrain vehicles



Concept model of modified BV 206 with add-on armour (Kværner Eureka)