

A person wearing a white lab coat is shown from the chest down, holding a silver pen and drawing on a large sheet of paper, likely a blueprint or technical drawing. The background is blurred, showing a desk with various markers and a glass of water. The overall scene is brightly lit, suggesting a clean, professional laboratory or office environment.

Automated carbon fibre preforms with zero-scrap for the aerospace industry

SWE-UK research collaboration: Vinnova Meeting (EUREKA CALL)

Research topic for the EUREKA call



- OEM (Swe), design organization
- Supply aerospace fitting/part
 - Supply component specification



- SME (Swe) , engineering organization
- Develop CAE methods for tailored fiber placement parts
 - Part design (DfM) optimization



- SME (UK), manufacturing and engineering organization
- Establish Design for manufacturing (DfM) parameters
 - Tool design and manufacturing
 - Supply of dry-fibre preforms



- Research partner (Swe)
- Material & part verification/qualification logic
 - Establish material modelling strategy for tailored preforms
 - Manufacture (resin infuse) demonstrator parts
 - Mechanical testing of demonstrator parts

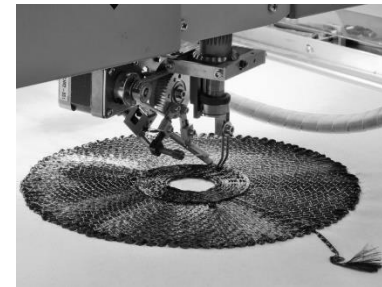
Additional
partners?

- SME (UK/SWE)
- Additional knowledge to be leveraged?

Tailored/automated preforming



Net-shape/zero scrap preforms



Structurally optimized parts for
low weight design



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