
Life saving textiles!



Knowledge Centre for
Smart Textiles

VIA UC, TEKO Design + Business



VIA UC,TEKO Design + Business

- Scandinavia's largest institute of education within design and business
- More than 40 years of experience within the Fashion Industry
- Part of VIA University College with 17 000 students and 2 100 employees in 8 campuses
- 20+ research centers and around 75 Ph.d's
- A revenue of DKK 1.5 billion (in 2011)



VIA UC,TEKO Design + Business

- At TEKO: 1000 students, 700 Danish, 300 International
 - Nationalities: Icelandic, Swedish, Norwegian, Dutch, German, Belgian, English, Chinese, Italian, Spanish, Portuguese, Romanian, Bulgarian, Estonian, Latvian, Lithuanian, Greek, Polish, Hungarian, Australian,.....



Knowledge Centre for Smart Textiles

- The knowledge centre was born in 2005 in corporation with the industry to facilitate the development and commercialization of intelligent textiles
- The knowledge centre identifies key areas of innovation and manages projects within intelligent and functional textiles
- The knowledge centre is part of several national and international networks and clusters



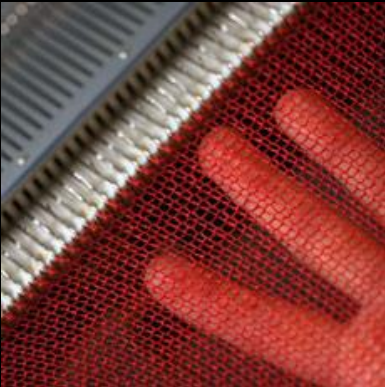
Knowledge Centre for Smart Textiles

- In 2011, Knowledge Centre for Smart Textiles hosted the international event “Future Textiles” and the exhibition “Pretty Smart Textiles”



Knowledge Centre for Smart Textiles

- Current projects within:
 - New functionalities for clothing
 - New functionalities for combat uniforms and protective wear
 - Possibilities within IT- textiles
 - Material library
 - Recycling of textile materials
 - ...



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Project purpose:

The aim is to look at the possibility of product development clothing that can prevent loss of lives in both military situations as situations where relief workers / rescue personnel are sent into disaster areas or war zones



Definition and focus of the project

- Sensors for monitoring the soldier's condition
- Improving Micro Climate
- Shock absorption on knees and elbows
- Built-in "tourniquet" in the thighs and upper arms
- Re-Design after user survey
- Avoid wiring for electronics, radio etc..



Stakeholders involved

The direct stakeholders involved are:

VIT/CBC/TEKO

Danish Army Combat Centre (DACC)

Innovationsnetværket Livsstil- Bolig & Beklædning

AU Herning

Alexandra Instituttet



Target group and other stakeholders

The target audience for the results from this project are primarily TEKO, the Danish Army, as well as actors and decision-makers in the development, production and distribution of protective clothing, work wear, outdoor and sportswear.

