

Smart Textiles: the PON ECOTEC Project

Roberto GIANNANTONIO, Klopman International – CNR IRSA

The ECOTEC project (PON ECOTEC – Fibre e tessuti intelligenti ed ECOsostenibili per l'abbigliamento TECNICO – Avviso per la presentazione di progetti di ricerca industriale e sviluppo sperimentale nelle 12 Aree di Specializzazione individuate dal PNR 2015-2020, Area di Specializzazione Design, creatività e Made in Italy) combines the competence and motivation of the industrial partner Klopman International SpA, Europe's leading manufacturer in the production of special fabrics for the protective wear, corporate wear and workwear markets, of the SME ECHOLIGHT SpA, of the CNR spinoff MEDITEKNOLOGY and of the research organizations CNR and Politecnico di Milano to develop a unique technological platform, including novel materials and industrial processes, for the integration of flexible OLED light sources in technical fabrics for the active protection of the worker. This initiative may enable to expand the product portfolio of Klopman by establishing a whole value chain ranging from applied research and knowledge-intensive materials manufacturing to Smart Textile fabrication.