

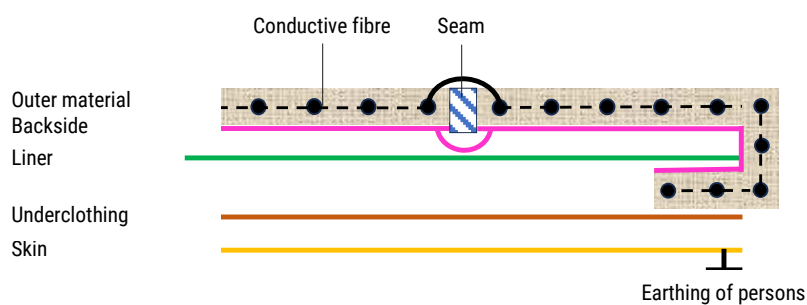
Electrostatically dissipative protective clothing for handling and working in highly explosive hydrogen-air mixtures – Development of test, evaluation and design criteria –

Problem / Motivation

- Practical testing of electrostatically dissipative protective clothing systems
- Project content relates to a globally relevant energy market with future potential
- High transfer potential of project results (e.g. standardisation, legislative bodies)
- Contribution to sustainable personal and property protection

Solution

- Adaptation of STFI's patented electrostatic person model to the contents of the study
- Simulation of worst-case test conditions
- Work on the detection and evaluation of small transfer charges and multiple discharges
- Design of an exemplary dissipative protective clothing for use in hydrogen-air mixtures
- Development of design, test and evaluation criteria
- Integration in standardisation work within CEN/TC162/WG1/PG2



Basic illustration of protective clothing structure

Project Launch

05/2024

Project Partner

none

Acknowledgement

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