

Human Machine Interface

(FEIM – Future Electronics for Industry 4.0 and Medical 4.0 project)

Objectives of the Project

Develop new printing formulations suitable for the preparation of conductive thin films for material printing of capacitive touch sensors. Develop printing techniques to enable efficient preparation of touch sensors. Develop a custom solution for the implementation of touch sensors for industrial partners.

Topics covered by the Project

- Development of new printing formulations
 - Development of printing techniques to enable efficient production
 - Development of a custom solution for the implementation of touch sensors for industrial partners
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What will the Project Results enable?

- The industry will use touch terminals (i.e. screens that you can touch to interact with) to replace paper in production, as well as for control panels on production machines
 - For cars, we make control panels, entertainment displays and navigation systems that are easy and safe to use
 - The healthcare sector will use the sensors to control and manage the machines in operating rooms and intensive care units
 - EDU and offices have: - interactive whiteboards and displays - reservation terminals in canteen areas, e-reception, etc.
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Selected Results

- Capacity button
 - Capacitive touch keypad
 - Capacitive sensor integrated into the touch panel
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Partners involved:



More about FEIM project can be found on [projects webpage](#).