PREVIEW

PREDICTIVE SYSTEM TO RECOMMEND INJECTION MOULD SETUP WITH PROCESS OPTIMISATION IN WIRELESS SENSOR NETWORKS

PREVIEW aims to provide the injection moulding industry with a process control system which will result in a reduction in mould set up time, a reduction in scrap and energy consumption and an increase in productivity and flexibility by developing the following technologies:

Data Acquisition System

Design and develop hardware modules responsible for the adaption, amplification and digitalisation of the cavity and machine signals.

Advanced Predictive System

Develop a system to optimise the injection moulding process by reducing mould set up time and providing a quality control system.

Wireless Capability

Develop a robust wireless network to transport sensor data to the APS server.

A consortium of **8 partners** has secured **€3,321,852** of EU funding for development of a predictive system to recommend injection mould set up in wireless sensor networks.

Project Partners:

eurecat
Technology Centre of Catalonia

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HUMBOLDT-UNIVERSITÄT ZU BERLIN

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