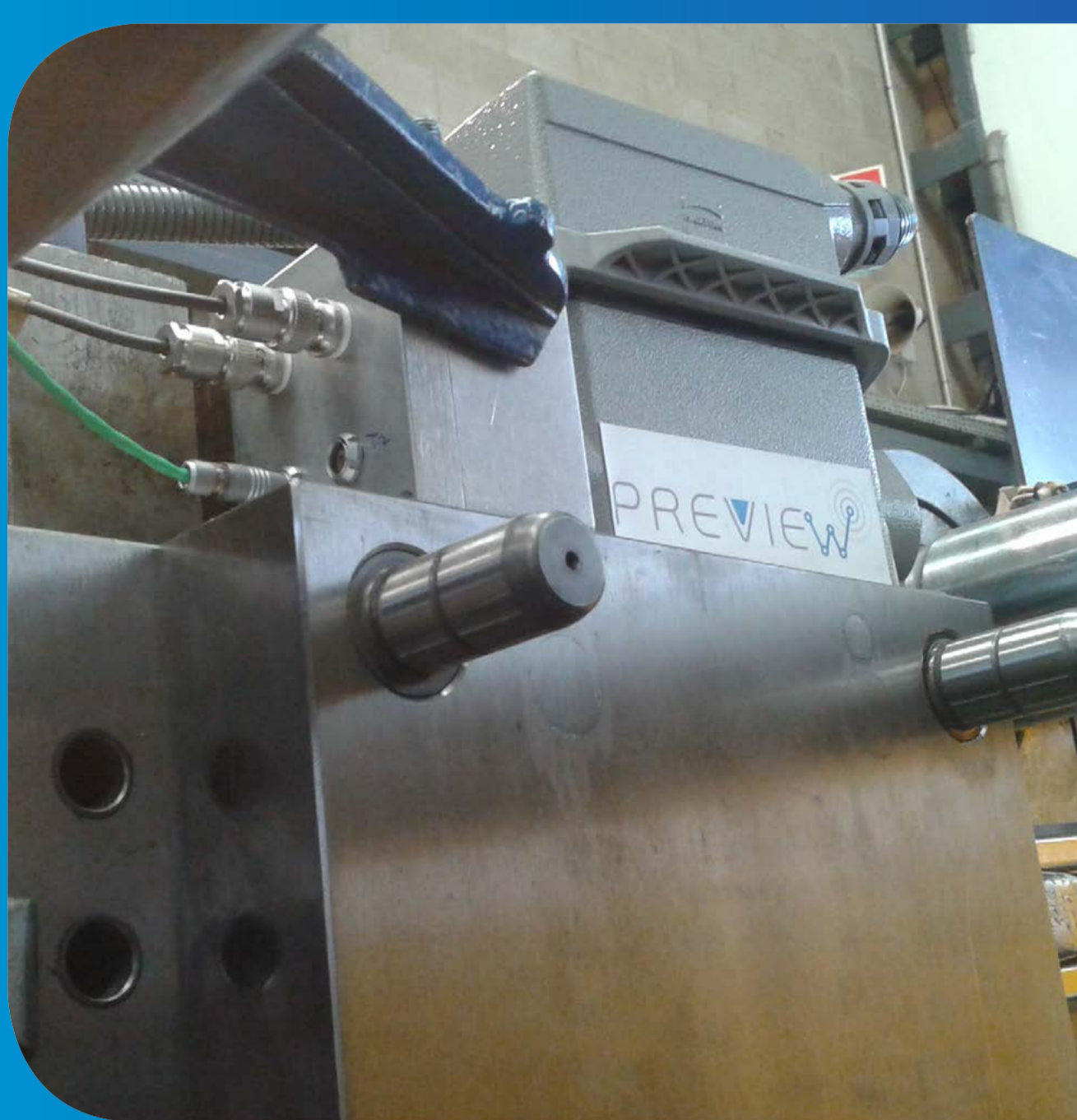


# PREVIEW



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

Explore the latest PREVIEW project results:

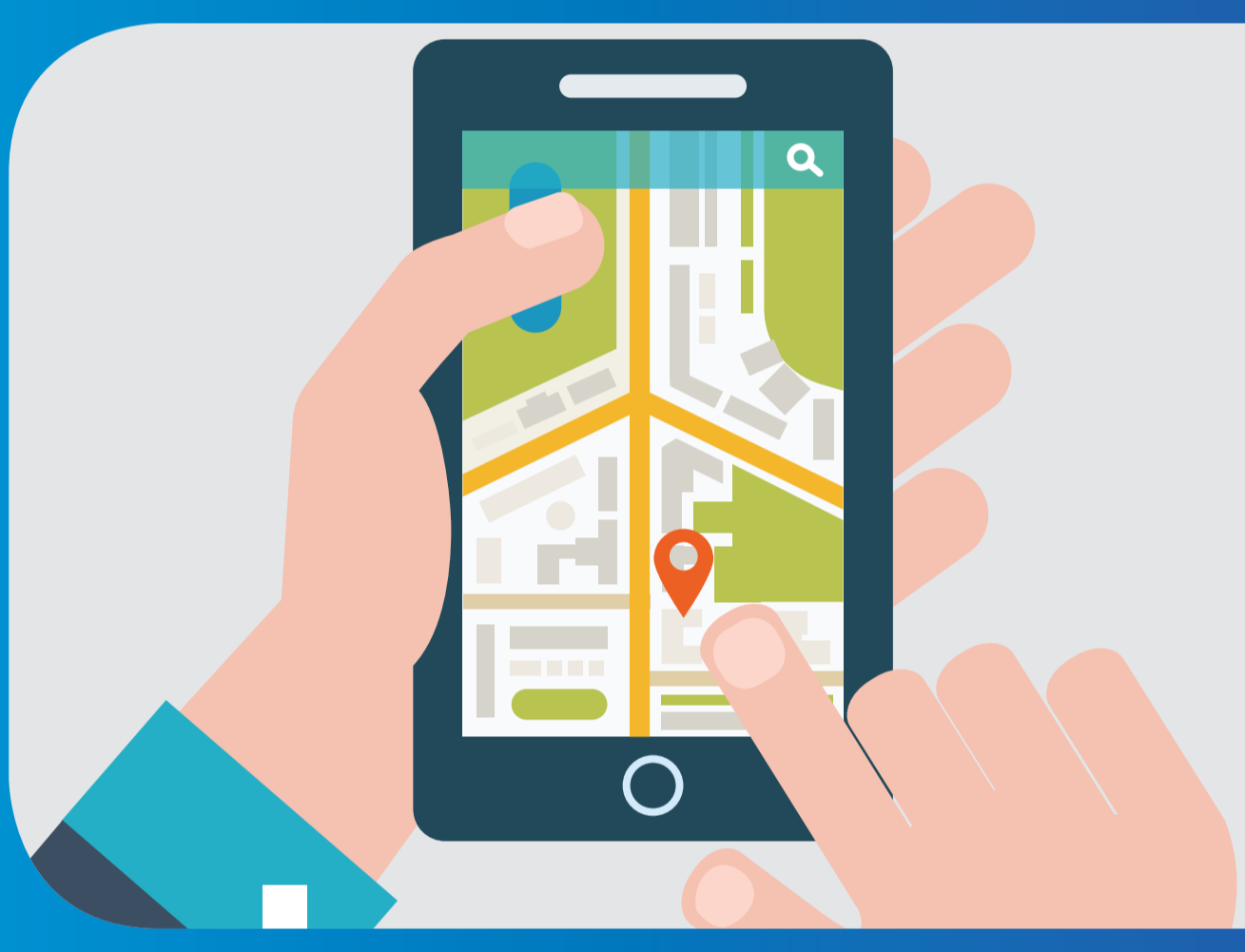
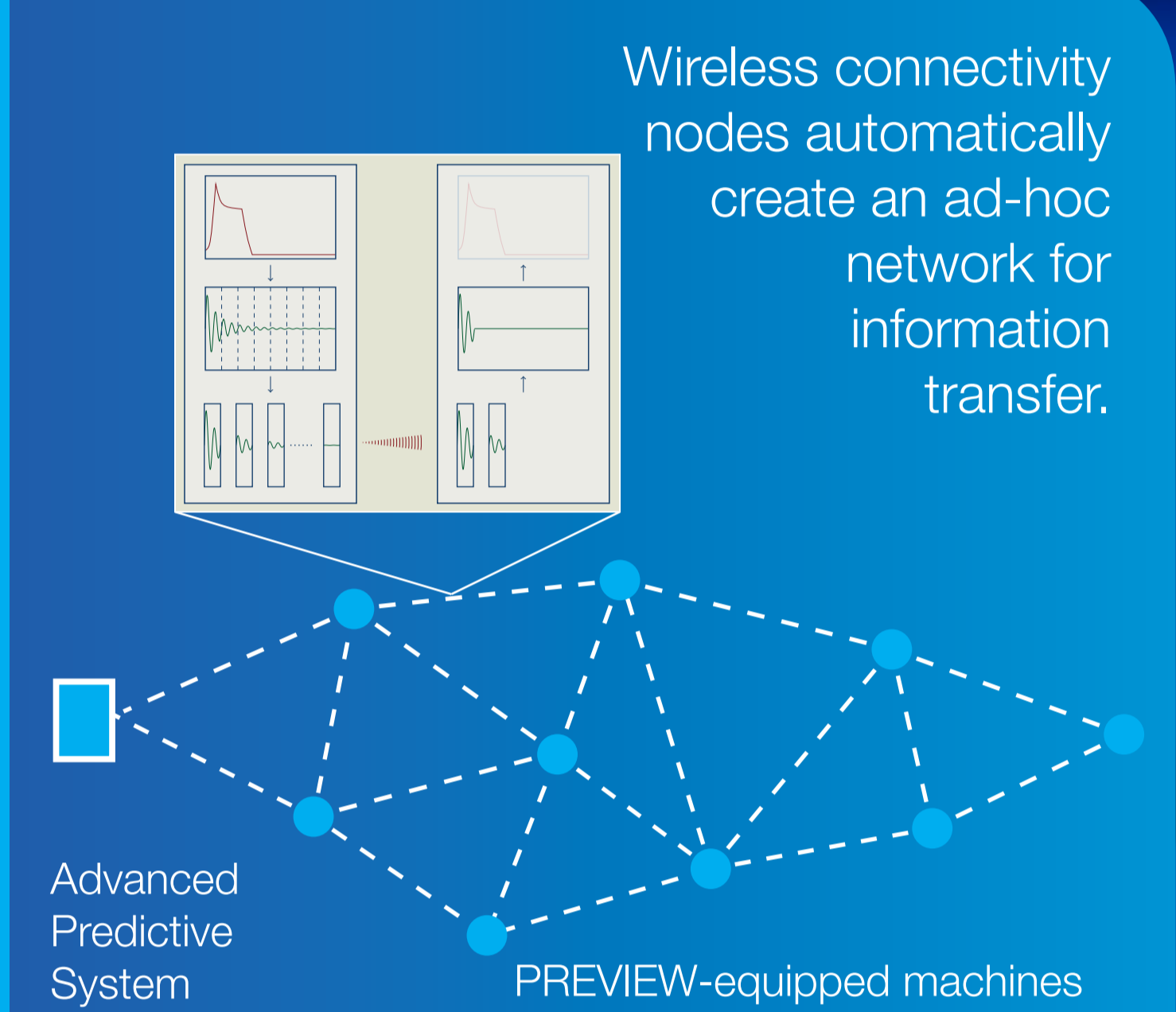


## Data Acquisition System

- Quality Control data system, integrated on the mould
- Direct connectivity for multi-standard cavity sensors
- Standardized connection to machine parameters
- Ethernet connection and Wi-Fi access point
- Continuous storage of production quality parameters

## Wireless Sensor Network

The key part of our protocol is that information is represented differently to other transmission protocols. As a result, if information is lost during transmission, the server receives an approximate rather than an incomplete representation of the original information.



## Location Based System

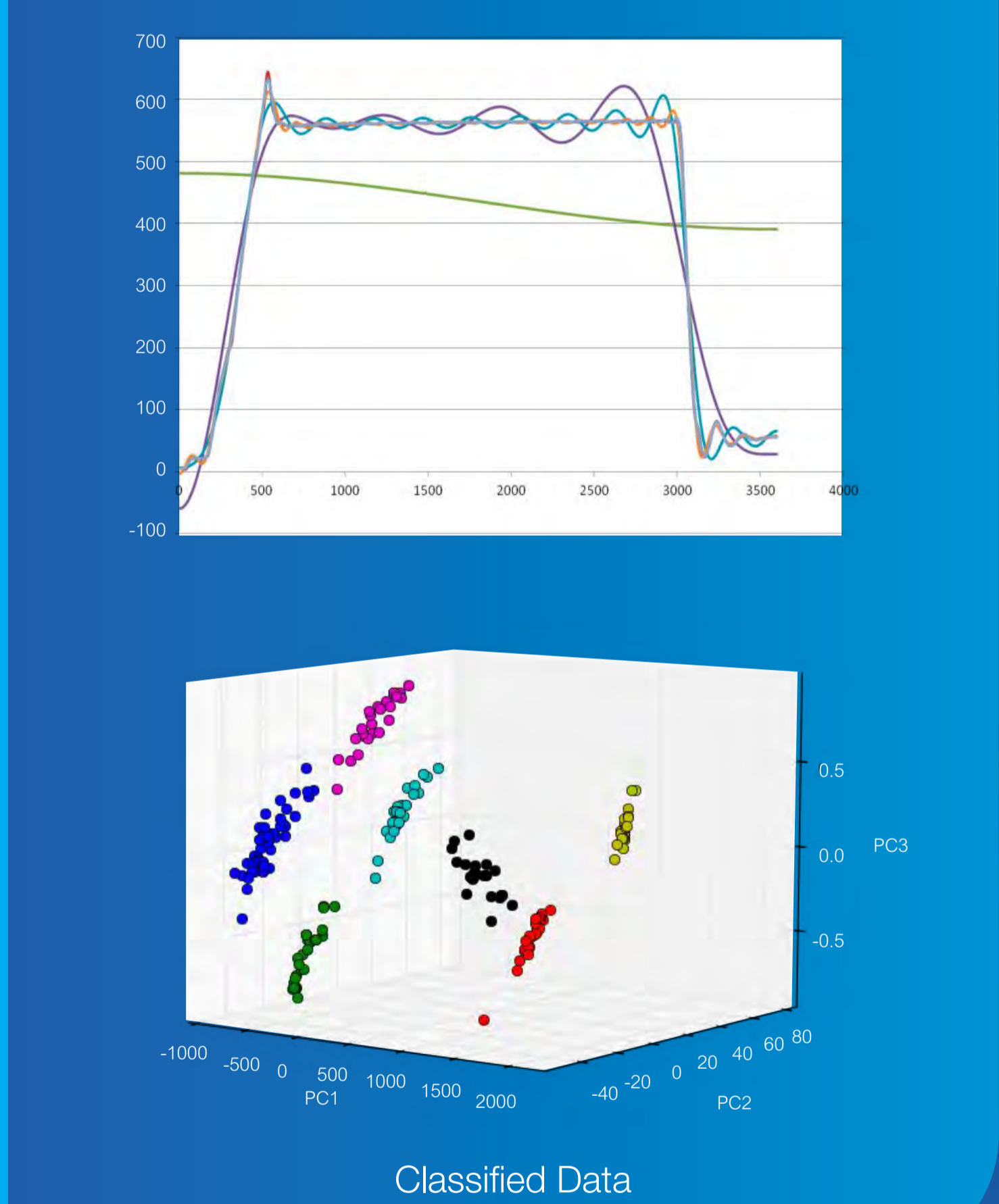
Enabling the dissemination of machine tuning information to workers based on their location in the factory

## Advanced Predictive System

Process parameters recommendation for an optimized production and set up based on machine learning techniques

### Achievements:

- Machine configuration identification based on cavity curves (temperature and pressure)
- High rates (up to 80%) of defect detection and classification
- Minimal training samples required



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:



For more information visit: [www.preview-project.eu](http://www.preview-project.eu)

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