

PREVIEW

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



Industrial Wireless Networks

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A robust wireless network designed to transport sensor data to the Advanced Predictive System



Large industrial environments make traditional ethernet cables impractical, the solution is to create a dedicated industrial wireless network.

To overcome problems of interference the **INFLATE protocol has been developed**, enabling each cycle of data to be prioritised when being transferred to the frequency domain according to the informational value.

The transmission is **segmented and an estimate generated** to cover any gaps, ensuring highly accurate results even if some of the data is lost in transmission.

An updated profile will be available for any missing data which is later transmitted or recovered to provide a more accurate picture.

The diagram illustrates the data transmission process. On the left, a white waveform is shown within a blue rectangular frame, divided into segments by vertical dashed lines. To the right of this frame are several concentric white arcs representing a wireless signal. On the right side of the diagram, another blue rectangular frame shows a white waveform, also divided into segments by vertical dashed lines. This waveform appears to be a compressed or reconstructed version of the original data.

*The system implements **efficient compression** to quickly deliver **high accuracy***

For more information visit: www.preview-project.eu

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