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**INNOVATIONS  
AND TRENDS**

## Intelligent sensors for more efficient track vacancy detection



Smart device on track: Optimised components, integrated evaluation and additional features

Based on proven know-how and the concept of the Internet of Things (IoT), Frauscher has created a new wheel sensor. The evaluation of the signal has been integrated directly into the sensor, which now works as an intelligent device on track. By integrating additional sensing modules, it generates even more information than established models, enabling additional and more efficient railway applications to be implemented. The sensor's digital output and the ring architecture – based on a specifically developed bus system – hugely reduce the cabling requirements. With this innovation, Frauscher will again set a new benchmark in track vacancy detection.

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Subject to further change