

Wireless torque wrenches in Skoda Auto production

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8

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The Idea

In Skoda completion lines torque wrenches are being used to ensure accurate tightening of screws on all produced cars. Collecting data from those tools via signaling wires shown up expensive and impractical in the usage but also from the maintenance perspective. This led to a request for innovation of the tools with wireless transmission.



The Solution

Long, expensive and impractical data cables were replaced by IQRF wireless transmission. One production base station operates typically with 20 torque wrenches. All data are delivered reliably and safely via IQRF wireless network.



The Results

During eight years more than 10 sets with over 300 torque wrenches have been delivered to Skoda Auto, saving kilometers of cabling and high costs. Data are being transmitted wirelessly to the documentation of all newly produced cars, giving backtrace of high product quality.



The IQRF Benefits

Thanks to IQRF wireless communication, it is also possible to cover even large production halls. The transmission works reliably even in the challenging environment of the assembly hall. The data is transferred to the „birth certificate” without any problems.