~30-50 reduction in factory labor costs.[1]

"This solution is like a blueprint for future solutions. We have a lot of technologies in the factory, and this solution is a model we can use to create quality-inspection solutions for those other technologies so that we don't have to rely on manual inspections."

Henning Löser, Senior Manager, Audi Production Lab

Audi's Automated Factory Moves Closer to Industry 4.0

Audi, a leading auto manufacturer and global brand based in Germany, has automated many productions jobs in its factories, from spot welding to riveting, but its ultimate goal is to create smart factories and achieve an Industry 4.0 level of production. Audi decided to work with Intel on a Proof-of-Concept experiment focused on improving the quality-control process for the welds on its vehicles. Intel worked with Audi to create algorithms using Intel® Edge Insights for Industrial software to transform factory data into valuable insights. The result is a scalable, flexible platform solution that Audi can use not only to improve quality control for spot welding, but also as the foundation for other use cases involving robots and controllers such as riveting, gluing and painting.

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