

INDUSTRIAL ROBOTIC INNOVATION

Unlocking new efficiency potential within the company

The industrial sector is experiencing rapid evolution of robotics innovations. Modern robotics systems are already taking on more than just repetitive tasks: thanks to software and the targeted application of Artificial Intelligence (AI), they are becoming increasingly adaptive, capable of learning, and flexible in their deployment.

In this context, the human role is also shifting - moving away from purely manual execution toward control, optimization, and strategic development. Companies face the challenge of harnessing these potentials in a targeted manner while simultaneously redesigning their existing processes. In our current newsletter edition, explore trends and real-world use cases that showcase the wide range of innovative industrial robotics applications.

We wish you an informative and inspiring read.

Best regards

Your team from EFESO

ASSISTANT IN THE TEST CENTER

At its factory in Penang, Malaysia, Keysight Technologies employs a self-developed cobot / AMR «hybrid» to transport test equipment to testing stations. Here, the winner of the 2025 INDUSTRIE 4.0 AWARD achieves 100% accuracy in the assembly of cable connections.

PERFORMANCE DRIVERS IN THE VALUE CHAIN

By leveraging AI, companies can accommodate greater complexity and manage it significantly more effectively. We present use cases for R&D, production, and SCM that enable cost reductions and performance enhancements.

CYCLE TIME BOOSTER IN BODY CONSTRUCTION

At the BMW plant in Dingolfing (Germany), a robotic bolt magazine optimizes the body welding process. Developed in-house, this Industry 4.0 solution reduces maintenance costs and significantly improves cycle time.

A SOURCE OF PROCUREMENT KNOW-HOW

An automotive supplier professionalizes its procurement organization with the help of EFESO. Our case study explains how AI - utilizing tools such as automated playbooks - contributes to the consolidation and application of knowledge.

COST CUTTERS IN THE MOBILITY MARKET

Range extenders for electric vehicles are experiencing a technological comeback. Our insight provides a concise overview of the growth potential of this powertrain variant. Furthermore, key figures derived from our projects illustrate the cost savings that can be achieved.

