Awesome Technologies

Source / Link: https://awesome-technologies.de/

Technology area:	Type of good practice:	Target market segments:
☒ Artificial Intelligence	☒ Company	☐ Discrete (smart) manufacturing
☐ Big Data	☐ Project	☒ Automotive
☐ Digital Twins	☐ Initiative	☒ Aerospace
☐ IoT and IIoT	☐ Programme	☒ Metal processing
☐ Cybersecurity	☐ Other	☒ Consumer goods
☐ VR/AR		☒ Pharmaceuticals and chemistry
☒ Robotics		☒ Food and agriculture
☒ Automation		☐ Health
☐ System Integration		☐ Textiles
☐ Smart Sensors		☐ Others
☐ Additive Manufacturing		
☐ Other		

Summary:

Awesome Technologies is a Digital Lab, which supports organisations in mastering the challenges of digitization. For this they bring in their cross-functional experience from numerous design and implementation projects. They accompany their customers from brainstorming to implementation to support and further development of their applications. It is their aim to always develop sustainable solutions, taking into account the corporate context, customers and employees. Our methods originate from human centered designs and agile project management. In this way we can guarantee a user-oriented, focused and fast implementation.

Detailed description

The primary solutions of Awesome Technologies are various Robotic und Machine Interaction Solutions, which empower skilled workers in production and assembly through the use of innovative technologies. More precisely, the company develops, integrates and operates innovative applications for collaborative robots (cobots) and automated guided vehicles (AGV). Awesome Technologies also develops intuitive operating concepts in a human-centered design approach, whether for traditional user interfaces or with Augmented and Virtual Reality.

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Co-funded by the Erasmus+ Programme of the European Union

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Cobots and AGVs are supporting tools in the industry but their mass adoption is challenging and requires a lot of organizational changes. To make the process smoother, Awesome Technologies follows a set of steps, which allow the company to design and implement innovative robotics use cases. The steps are, as follows:

- Identification and exploitation of trends in collaborative robotics;
- Combining these trends with unique know-how in visualization;
- Testing of latest solutions;
- Establishment of research partnerships with universities, institutes, SMEs.

Awesome technologies operate a Robotics-as-a-Service (RaaS) process, which allows the introduction of innovative and customizable solutions in clients' locations. In other words, the company performs a series of analysis, planning and implementation steps, which allows it to design the most appropriate robotics use case for a company, and to implement it.

Beneficial Results

The implementation of such innovative robotics use cases, powered by VR/AR, allows organisations to put humans and workers in the center of their digitalization journey. Instead of robots replacing people, with such solutions, workers turn into operators and are able to control more processes with less effort, and with better precision. Additionally, the availability of new types of data, insights and visualizations allows the company to radically improve its performance.

Access date: 08/02/2022

Provided by: INI-Novation GmbH

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