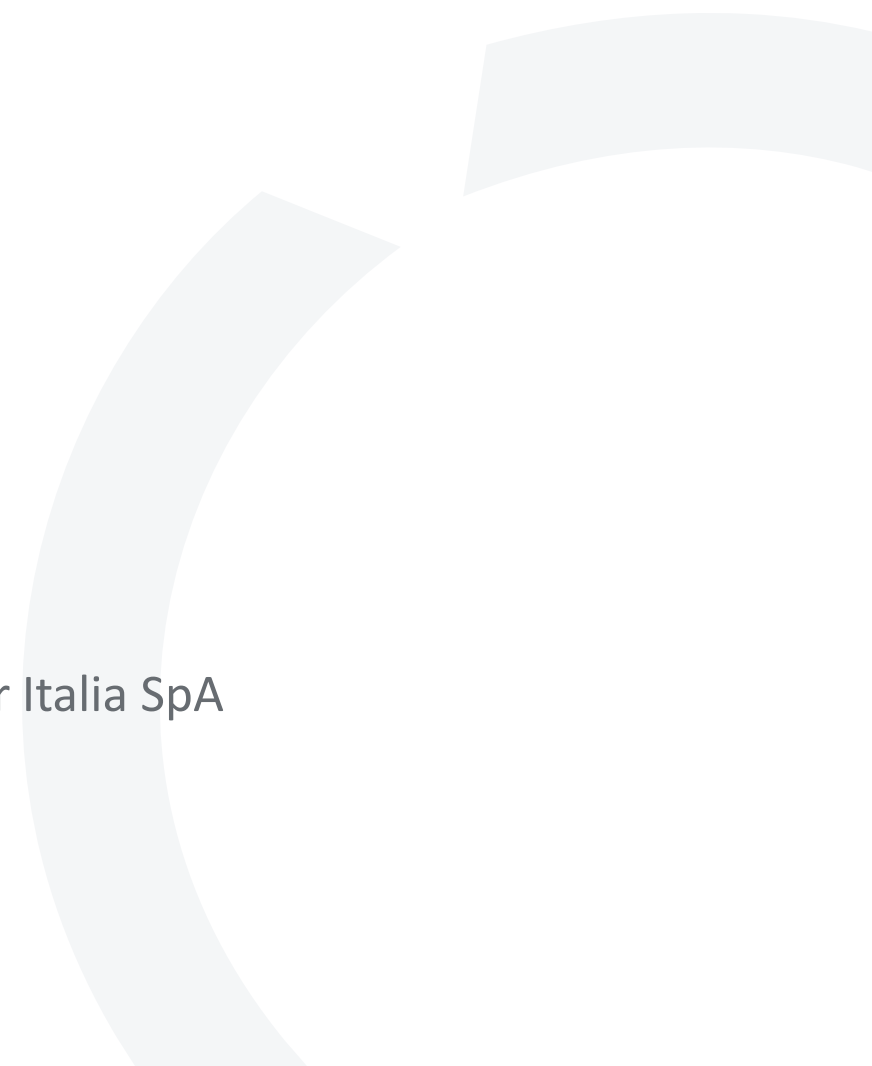


KUKA

| Group

KUKA Approach to AI

Alberto Pelleri | Head of Marketing and Sales Operations | KUKA Roboter Italia SpA



KUKA Group | Organizational Structure

KUKA | Group 

Robotics



Systems



SWISSLOG



 swisslog healthcare 



China



India



Technology accelerating horizontals – Leading tech. platforms across segments

 VISUAL COMPONENTS

 DEVICE INSIGHT

R&D | Software & AI

Business enabling horizontals – Leading business guidance across segments

Finance | IT | Legal & Compliance | MarCom | Group Operations | P&O | Strategy & New Business

TOP 5 GLOBAL ROBOTICS TRENDS IN 2026

1
**AI & AUTONOMY
IN ROBOTICS**



2
**ROBOTS GAIN
VERSATILITY AS IT
MEETS OT**



3
**HUMANOIDS TO
PROVE
RELIABILITY AND
EFFICIENCY**



4
**SAFETY AND
SECURITY IN
ROBOTICS**



5
**ROBOTS AS ALLIES
IN TACKLING
LABOR GAPS**



Find out more at:
<https://ifr.org/ifr-press-releases/top-5-global-robotics-trends-2026>

AI IS ACCELERATING THE NEXT WAVE OF ROBOTICS

COMPUTER VISION

ENABLES ROBOTS TO SEE AND INTERPRET VISUAL DATA FOR OBJECT RECOGNITION, SORTING, BARCODE READING, AND REAL-TIME PRODUCTION MONITORING.



SUPERVISED LEARNING

USES LABELED DATA FOR DEFECT DETECTION, PREDICTIVE MAINTENANCE, QUALITY INSPECTION, AND PROCESS OPTIMIZATION.



NATURAL LANGUAGE PROCESSING

ALLOWS ROBOTS TO UNDERSTAND AND RESPOND TO SPOKEN OR WRITTEN COMMANDS IN HUMAN-ROBOT INTERACTION.



SENSOR FUSION & SLAM

COMBINES DATA FROM LIDAR, CAMERAS, AND OTHER SENSORS TO ENABLE NAVIGATION AND MAPPING IN WAREHOUSES AND FACTORIES



REINFORCEMENT LEARNING

SUPPORTS MOTION AND PATH PLANNING, GRASPING, AND ADAPTIVE CONTROL THROUGH TRIAL-AND-ERROR LEARNING IN DYNAMIC ENVIRONMENTS.



GENERATIVE AI

ENABLES ROBOTS TO GENERATE CODE FOR ENTIRE FUNCTIONS BASED ON NATURAL LANGUAGE INSTRUCTIONS



Find out more at:
<https://ifr.org/ifr-press-releases/news/position-paper-on-ai-in-robotics>



AI @ KUKA | Facts & figures



Unlocking new possibilities

AI makes systems more flexible. It can solve tasks where traditional programming reaches its limits.



Safety first

AI models must be integrated into processes in accordance with our high safety requirements for industrial robotics.



Tested in simulation

Program codes created by AI are tested by a digital twin in a simulation environment.

Making easy automation available for everyone. AI is a tool, not the goal.

Aim of KUKA's AI strategy: Increase productivity and value creations – both at KUKA Group and at our customers

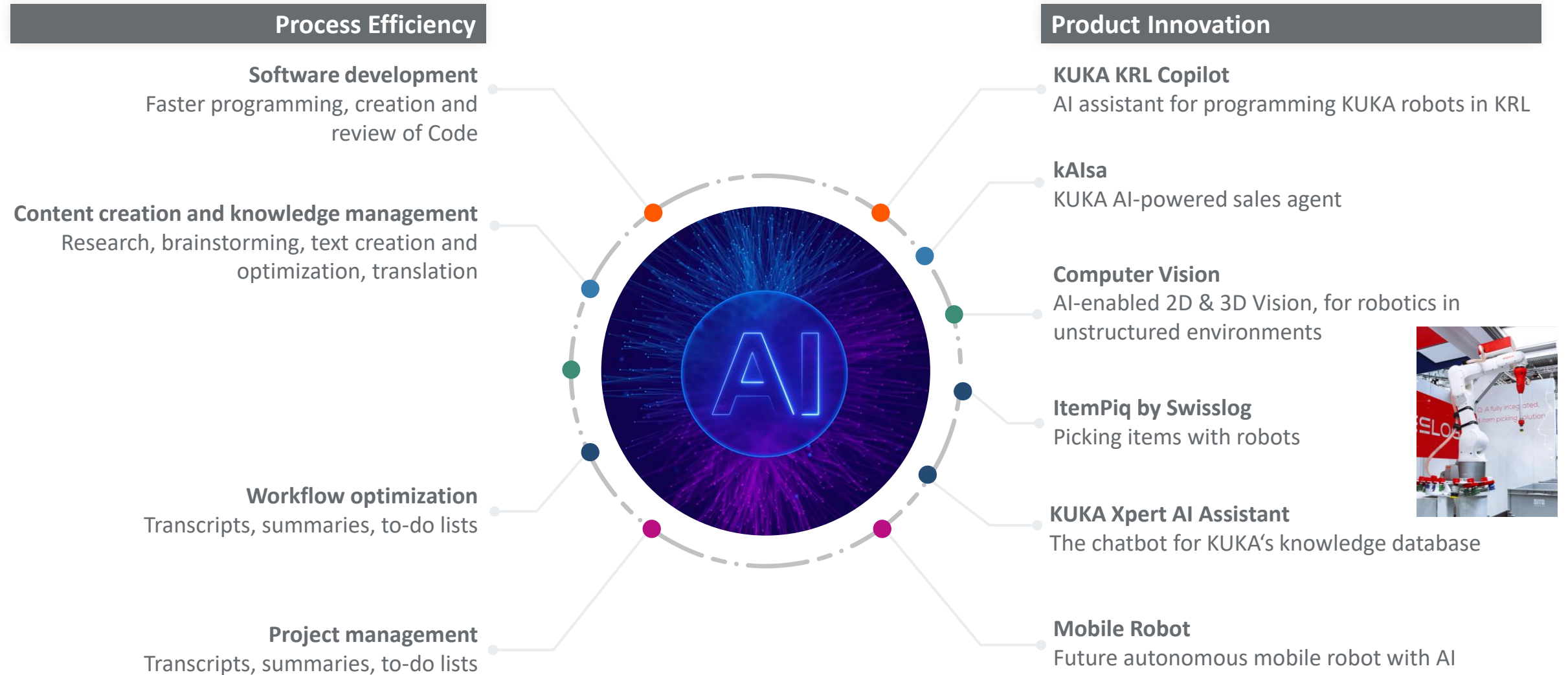
80 %

of KUKA Group employees use AI tools at least once a month at work.*

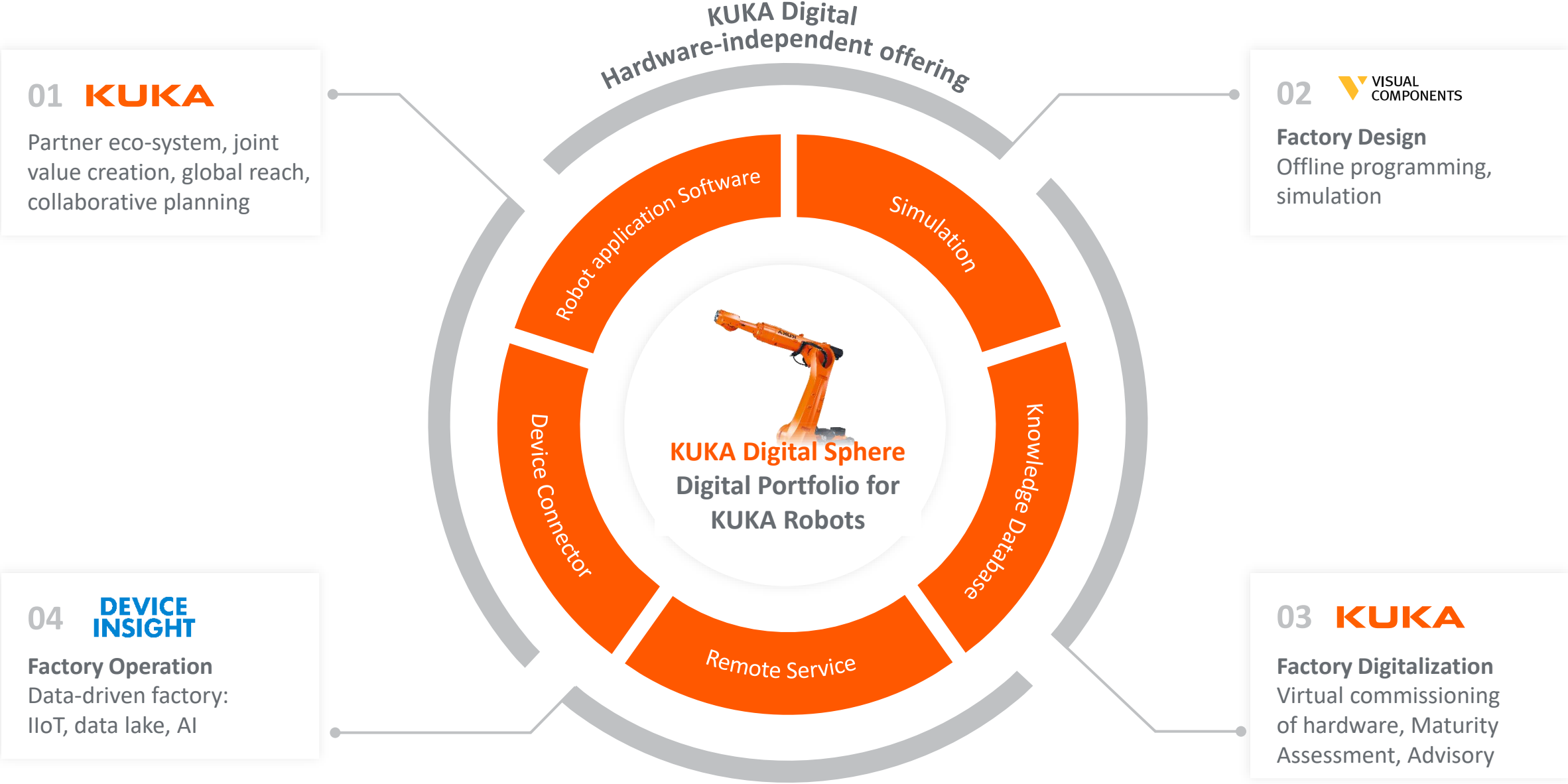
40 %

of KUKA Group employees use AI tools daily at work.*

Artificial Intelligence | The Future of Automation



More resilient, more flexible | Seamlessly digitizing the global industry



KUKA

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Thank You.