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DEVELOPING SKILLS FOR HIGH QUALITY JOBS IN EUROPE THE FUTURE OF INDUSTRIAL AUTOMATION

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Honeywell

INDUSTRIAL SECTOR THE LANDSCAPE



UNPLANNED DOWNTIME

\$22K - \$50K

Average cost per min of downtime

800 HOURS

Annual estimated time for average manufacturers

\$1.5 TRILLION

Annual cost for Fortune 500 companies, 11% of revenue



SKILLS GAP AND LABOR SHORTAGE

25.3%

Share of manufacturing workers 55 years old and older

15%

Skills mismatch between workers and employer expectations

3.8 MILLION

New manufacturing employees estimated to be needed by 2033



OPERATIONAL EFFICIENCY

\$184 MILLION

Average annual cost of supply chain disruptions

INCREASE

In safety and security risks for employees and assets

DECREASE

In quality, production time, compliance and morale

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EUROPE THE LANDSCAPE

- 8mio shrinkage of working population by 2030.
- Shift to high-end, sophisticated industries.
- STEM graduates insufficient. Software vs "traditional" engineer.
- Gender diversity gap.
- Trade restrictions will open the skill gap.

AUTOMATION TO AUTONOMY THE DIFFERENCE

INDUSTRIAL AUTONOMOUS SOLUTIONS



INDUSTRIAL AUTONOMY THE EUTURE

ASSETS WORK HARDER

		the
and the		

CONTROL

& OPTIMIZE

Bridge Al and controls to safely maximize & sustain output and profitability

Automated processes with sustained operation at peak performance



Al and controls combine to eliminate unplanned downtime

> Predictive asset performance and reliability

PEOPLE WORK SMARTER

EXPERT PEOPLE



Zero harm operations with maximized human potential with Digital Co-pilots (Gen Al)

Every worker enabled to perform at an elite level INTEGRATED CENTRAL OPERATION



Digital-first way of working to augment workers and processes with practical Al

> Monitor, Control, and Service Remotely

REMOTE ASSET MONITORING

PROCESSES WORK MORE EFFICIENTLY



Autonomous control of avoidable carbon emissions

Monitor, Reduce, Report Carbon Emissions

THANK YOU

