

# Automation of tasks

Safe and healthy work in the digital age

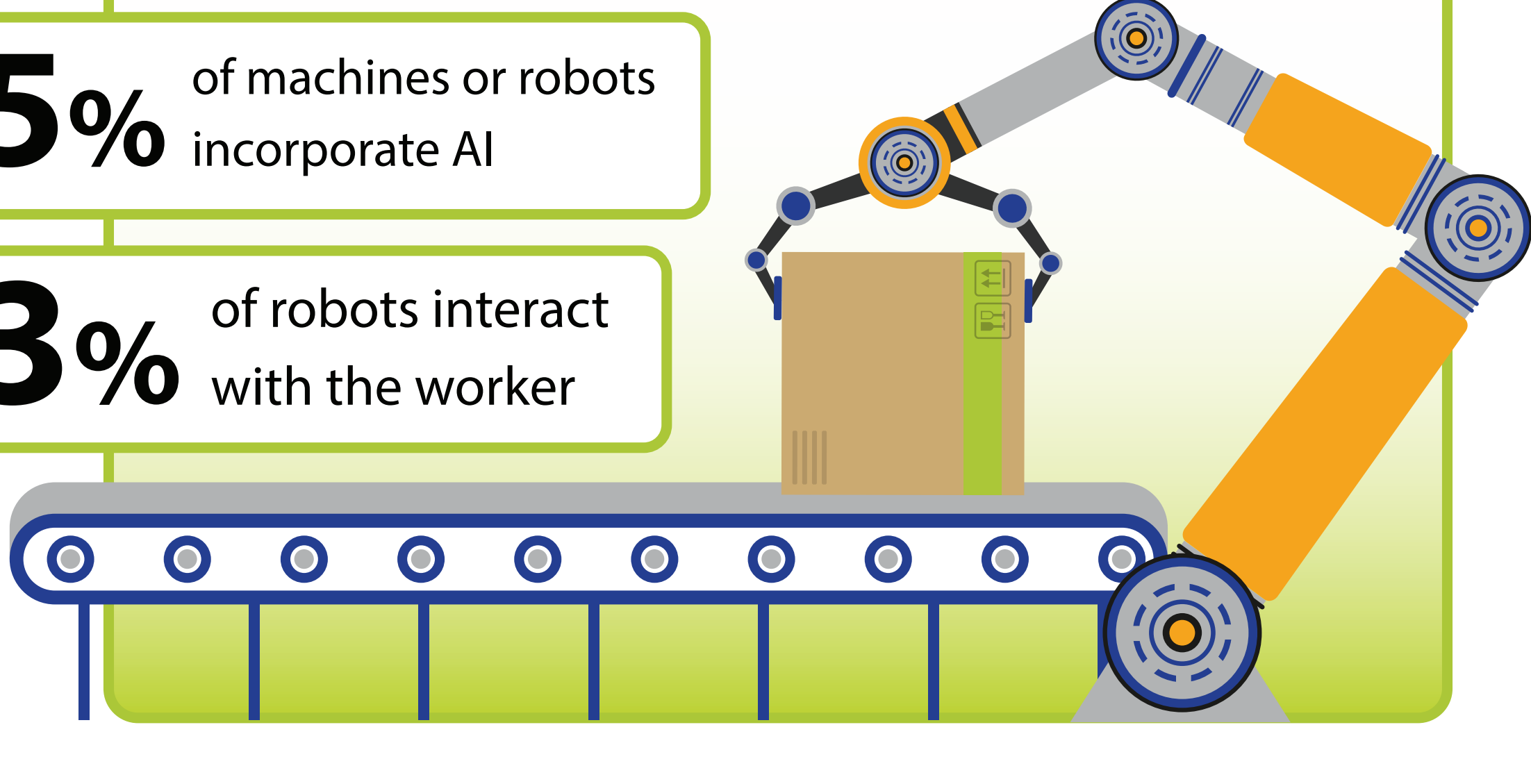


Systems or technical procedures enabling devices to perform tasks (physical or cognitive) previously done by humans.

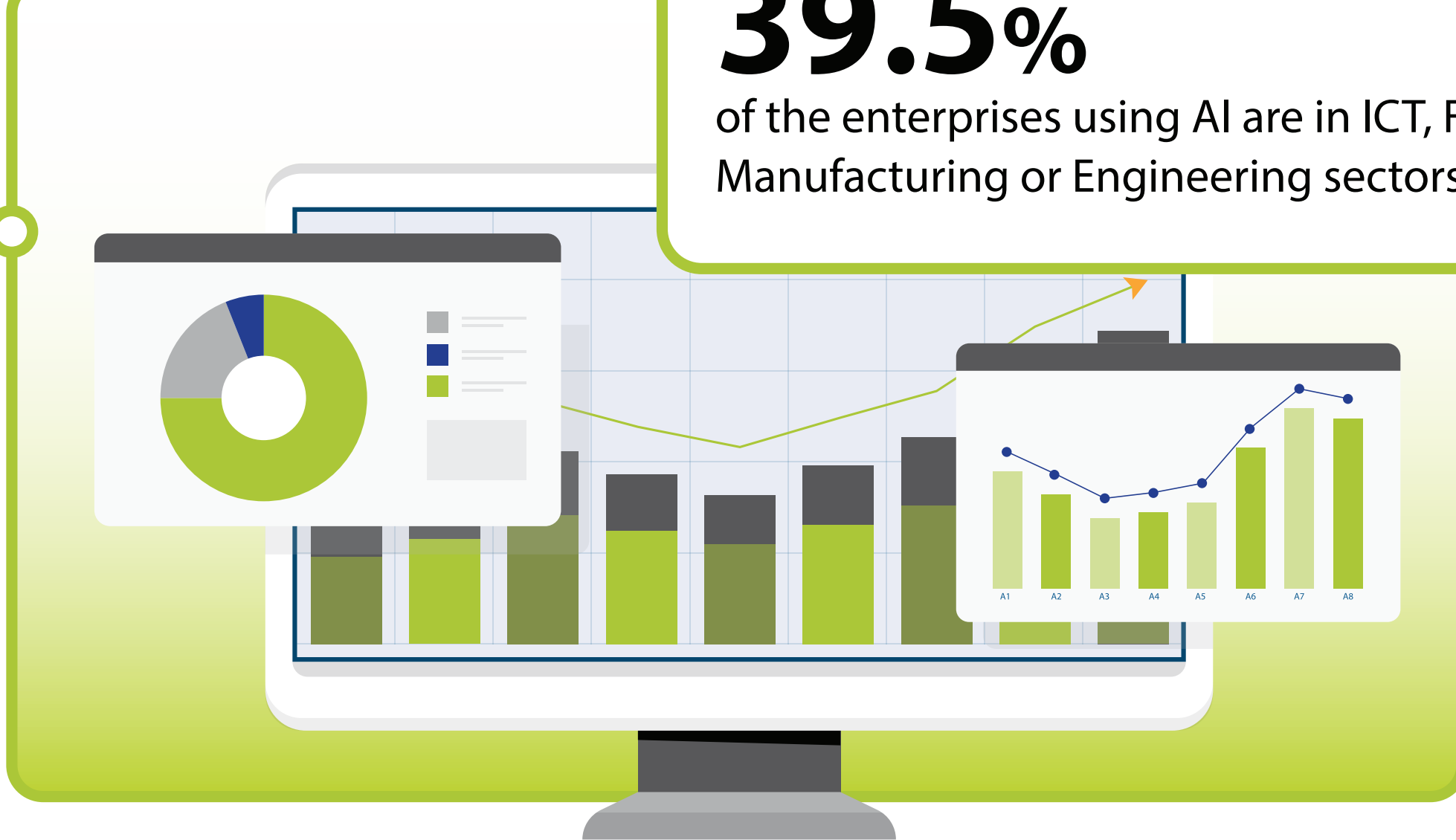
## FACTS & FIGURES

**5%** of machines or robots incorporate AI

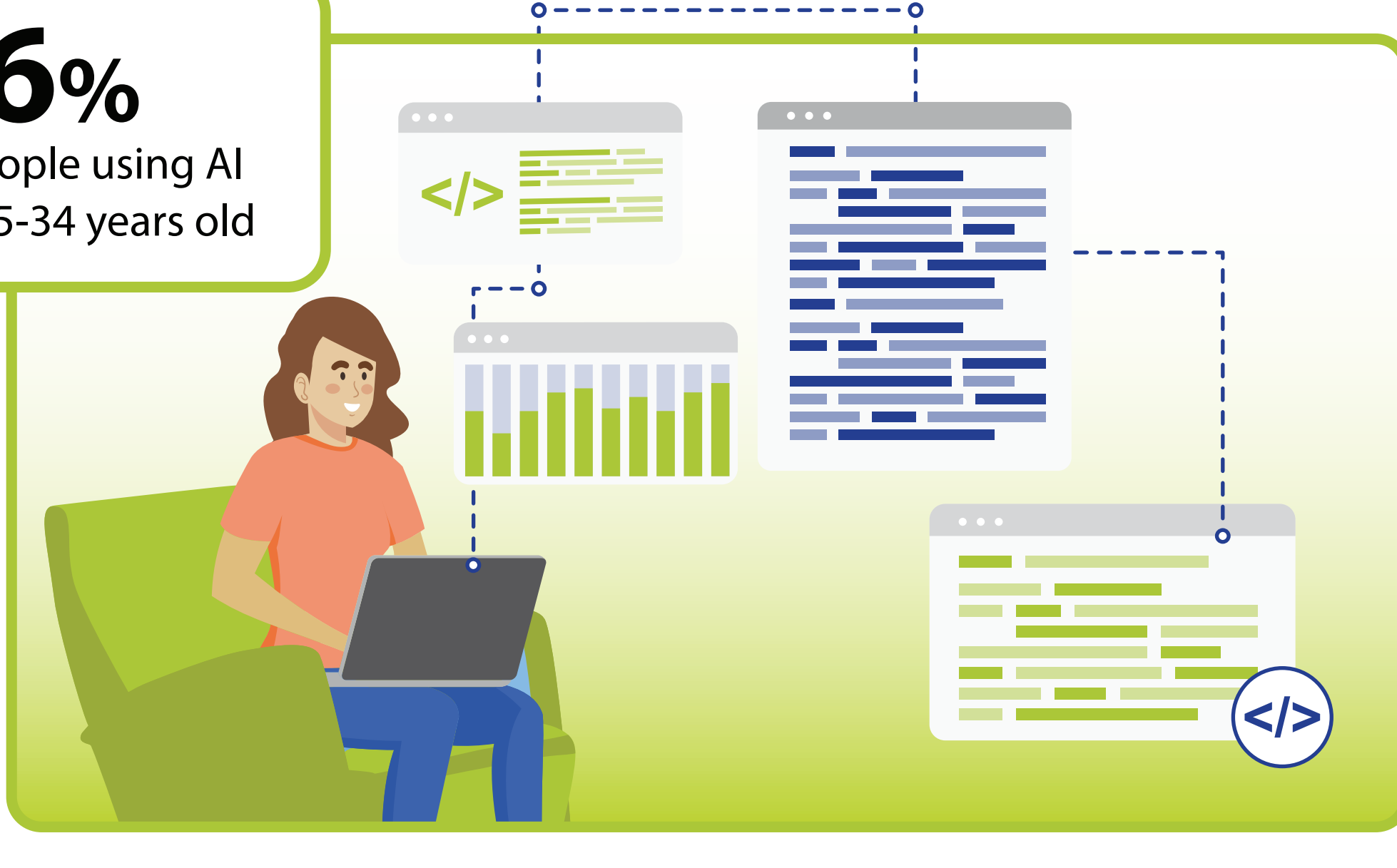
**3%** of robots interact with the worker



**39.5%** of the enterprises using AI are in ICT, Finance, Manufacturing or Engineering sectors

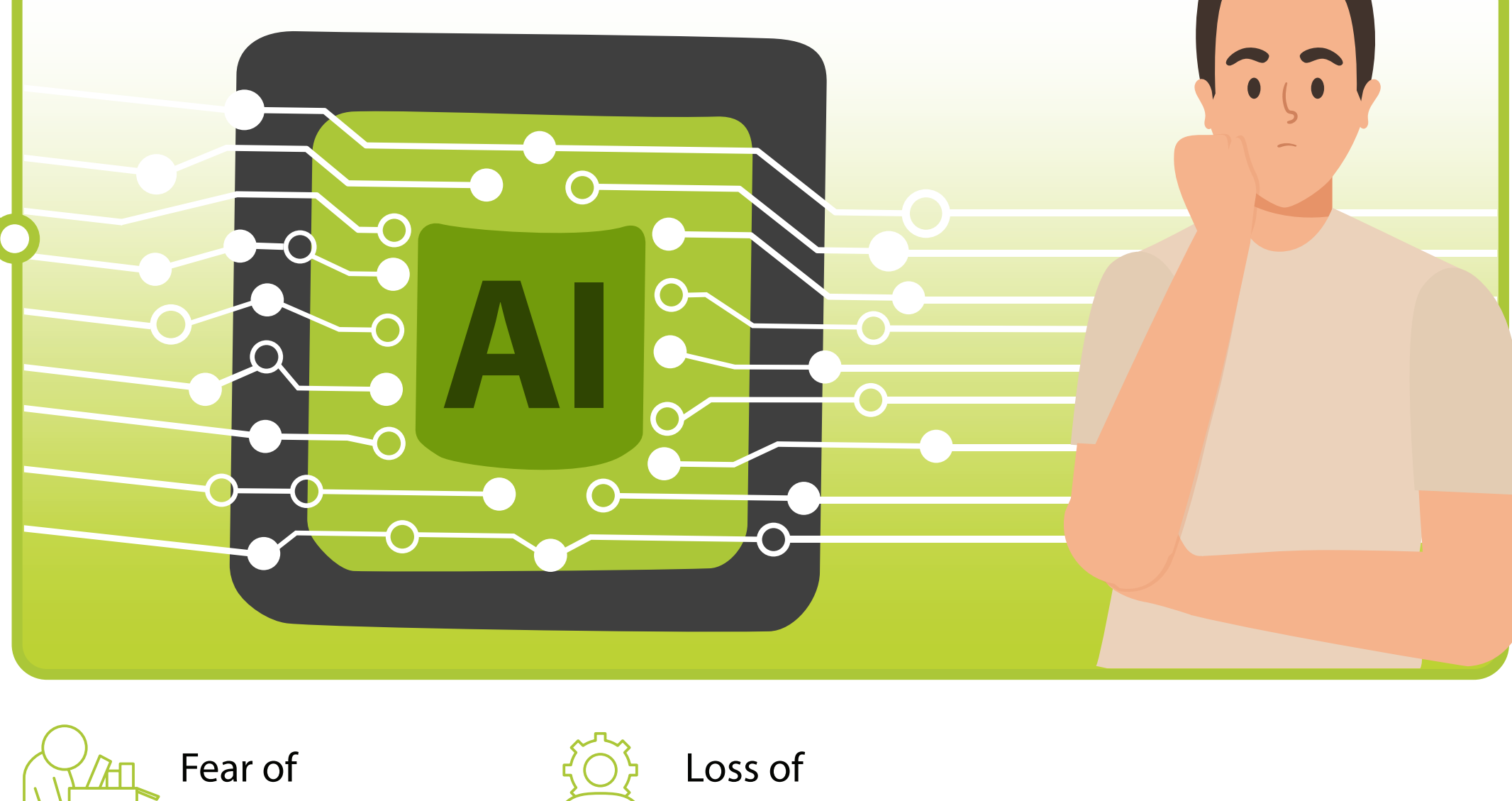


**26%** of people using AI are 25-34 years old



data from EU-OSHA's ESENER and OSH Pulse surveys

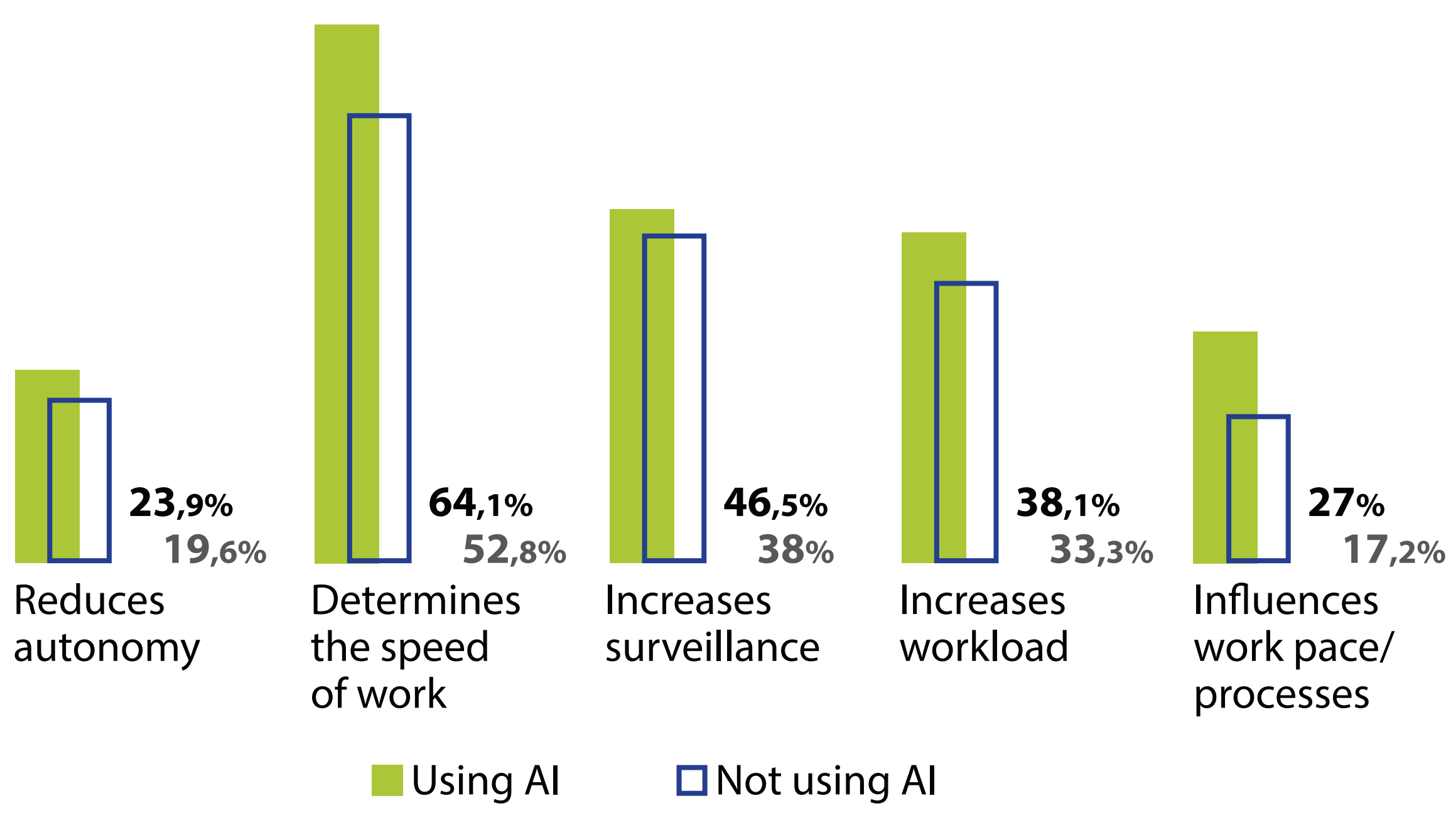
## RISKS AND CHALLENGES FOR OCCUPATIONAL SAFETY AND HEALTH



- Fear of job loss
- Loss of autonomy
- Re-skilling and over-reliance on technologies
- Lack of social interaction

## EU-OSHA 2022 OSH PULSE WORKERS' SURVEY

Would you say that using AI...?



## OPPORTUNITIES

Automation of tasks is well-suited for:

- High-risk work
- Repetitive tasks

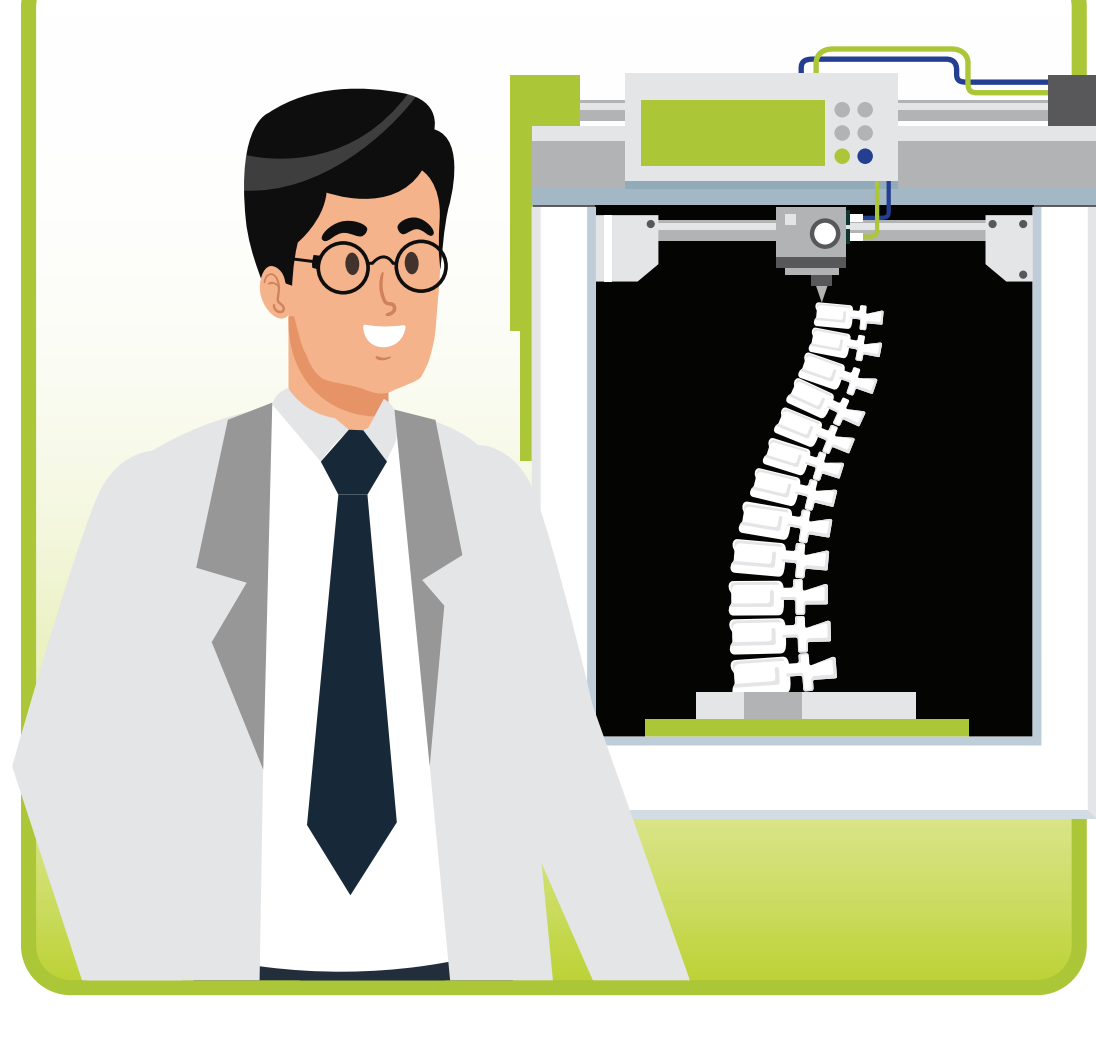


Its benefits include:

- Increased time available for upskilling
- Minimised exposure to hazardous environments
- Reduction in screen time
- Decreased workload

Sectors implementing task automation

- Manufacturing
- Transportation and storage
- Human health and social work activities
- Construction
- Professional, scientific and technical activities



Examples of automated tasks

- Assembly
- Lifting of objects
- Autonomous guided vehicles moving material
- Worksite inspection for risks, forgotten objects or work parts
- Autonomous cleaning and disinfection
- Fact checking and inappropriate content identification
- Inspection and maintenance of infrastructure
- Visual detection and recognition of objects
- Video and image analysis program for medical diagnosis

**Prioritise the wellbeing of workers in a digitalised world: ensure safety, support and responsibility in automation!**