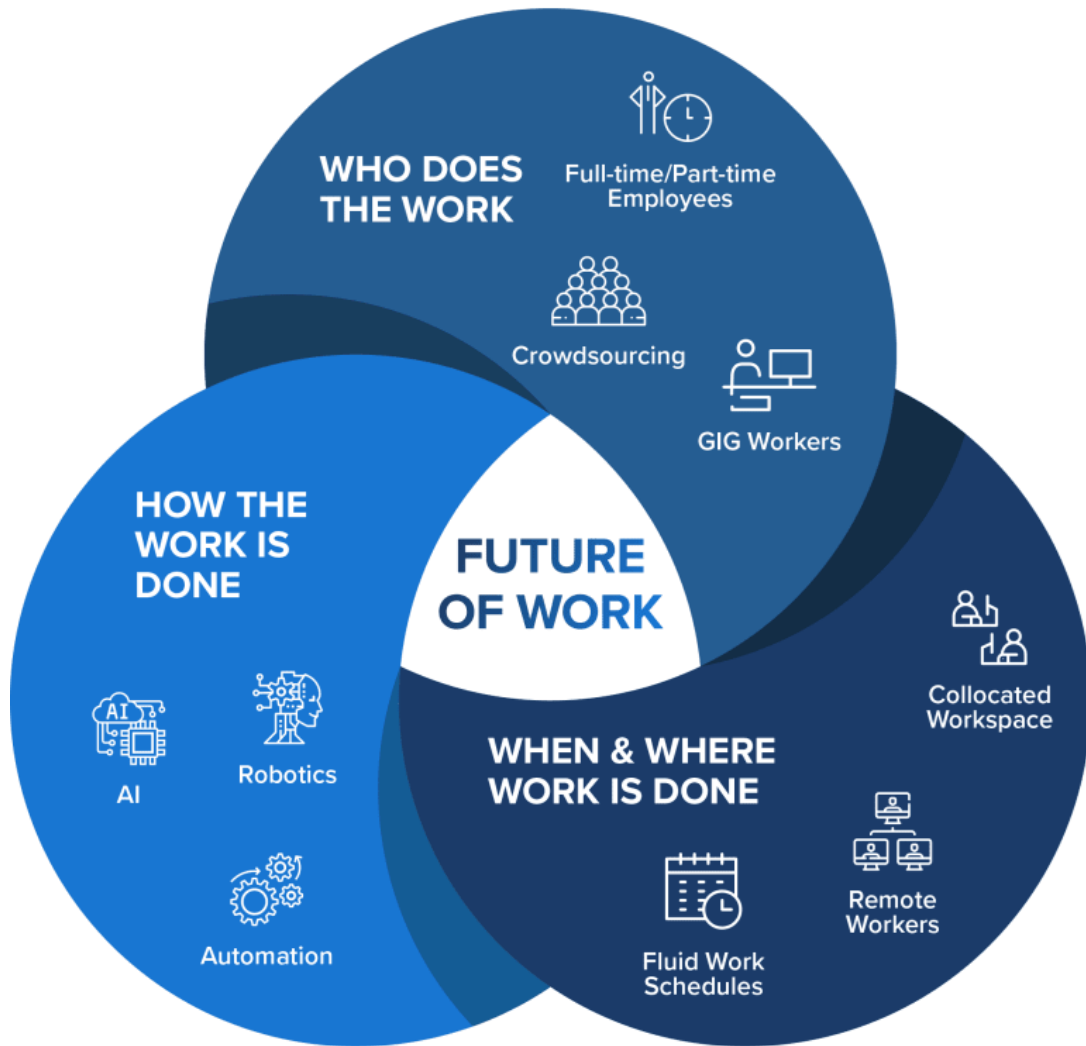
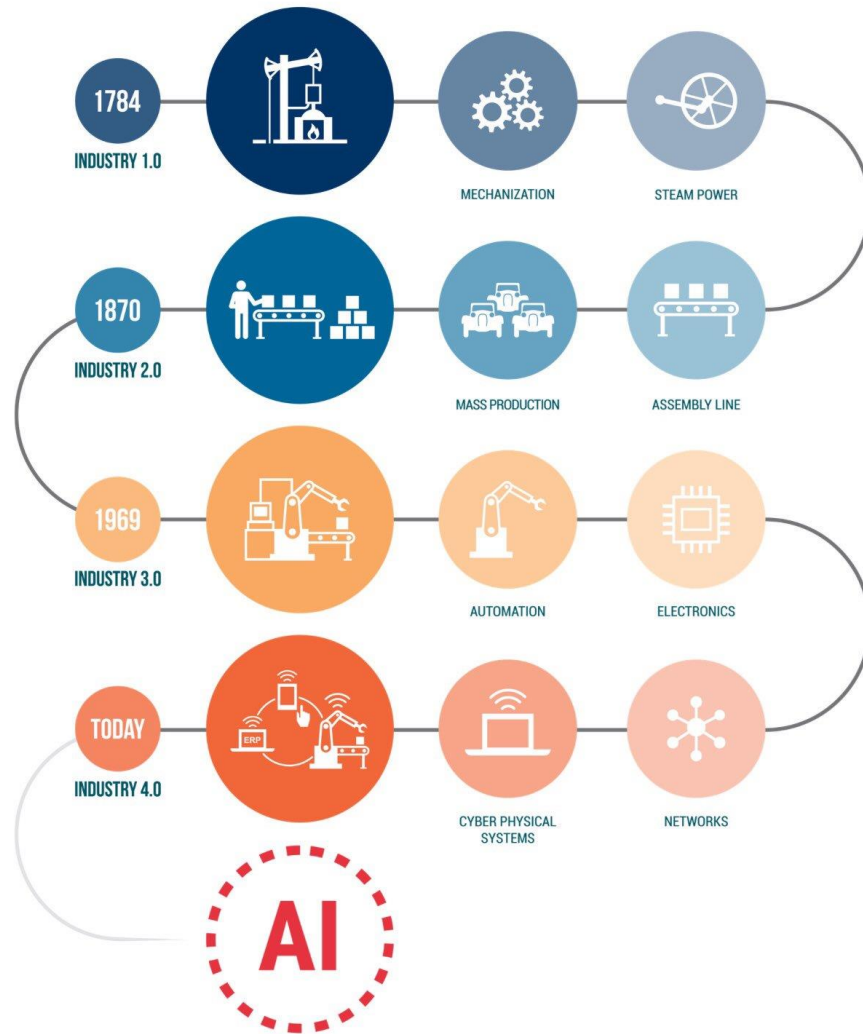


The Impact of AI on the Future of Work

18 June 2024, Malaga





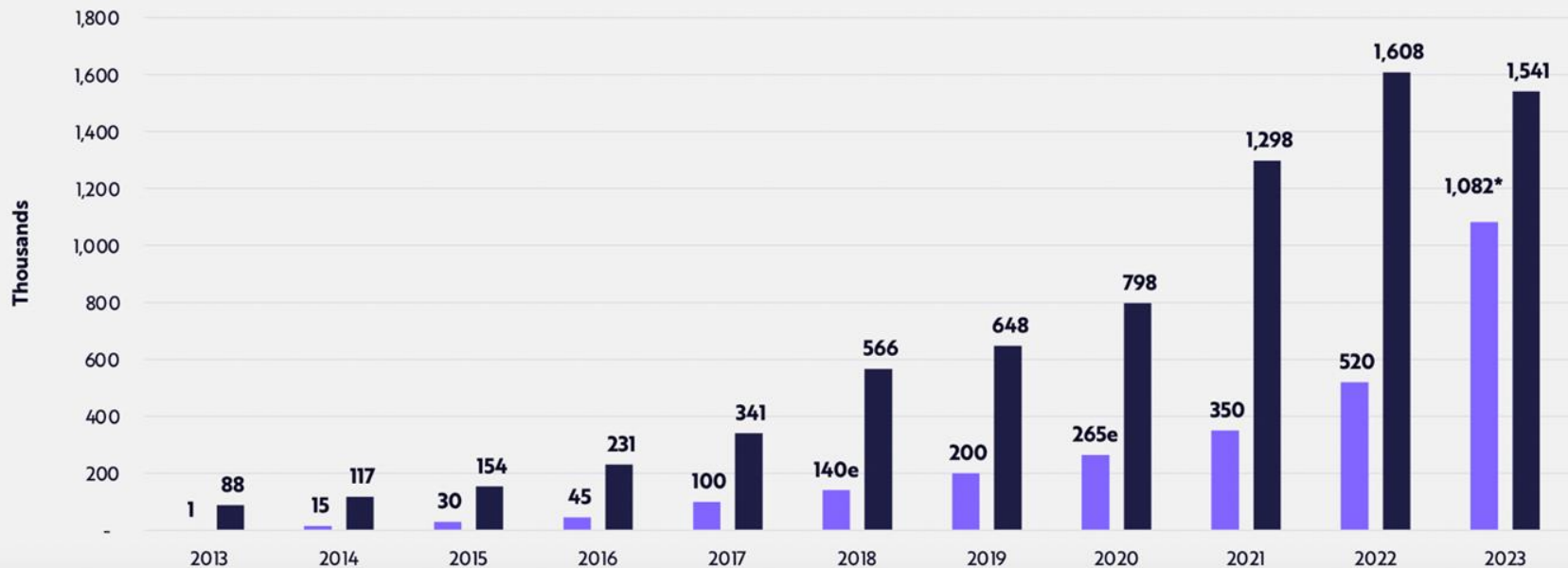


Many Companies Are Likely To Deploy More Robots Than Humans

Robots are freeing humans from tedious physical tasks.

Amazon Robots And Employees

■ Robots ■ Employees (at start of year)



🤖 Inside Amazon's Robo-Revolution: 750,000+ Robots Redefining the Workforce! 🚀🌐



European key trends (jobs)

51 mil.

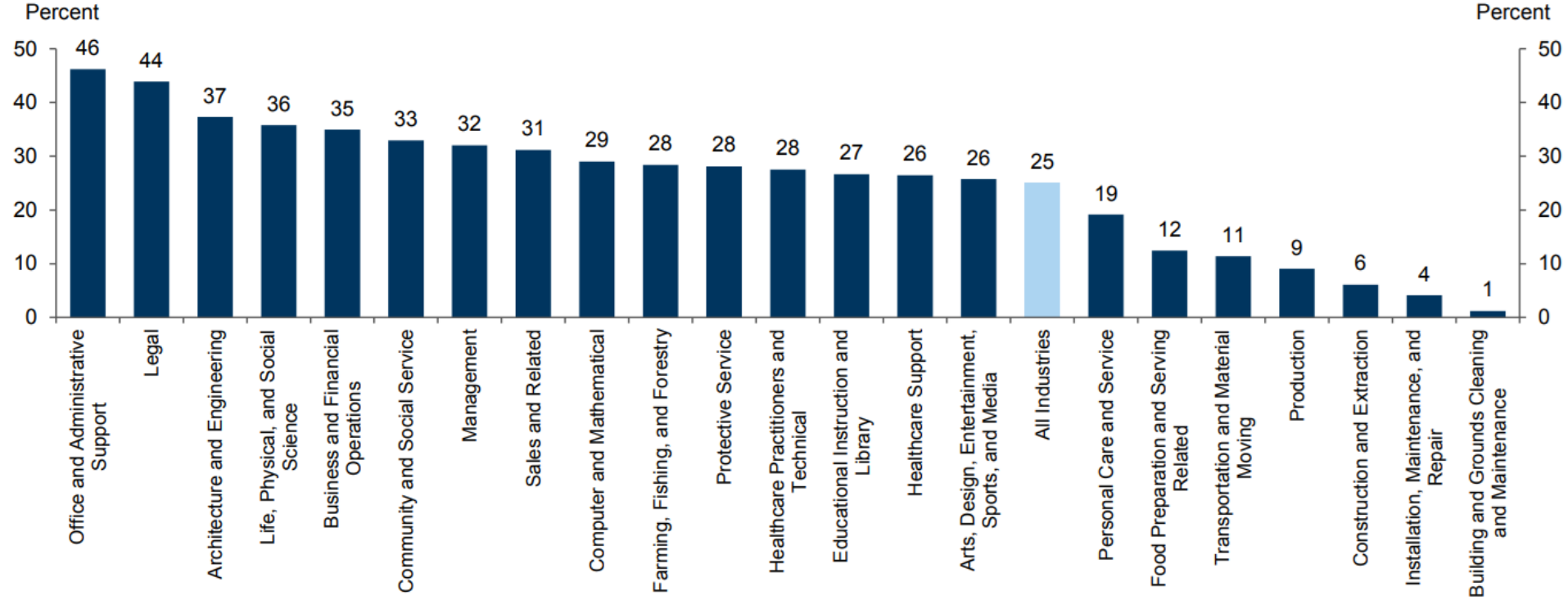
jobs in Europe are at risk due to
automation

59

jobs in Europe are at risk due to the
digital transformations accelerated
by the **COVID-19 pandemic**
mil.



Share of Industry Employment Exposed to Automation by AI: US



United States key trends (jobs)

63%

of US workers are in jobs where less than half of their tasks could be affected by **generative AI**

7%

of US workers are in jobs where at least half of their tasks could be affected by **generative AI**



In the age of AI, job security will largely depend on the ability to adapt, learn, and work with new technologies. Some careers are likely to have more job security than others, particularly those that require creativity, human interaction, and complex problem-solving skills. Here are a few careers that may have the most job security in the AI age:

1. **Healthcare Professionals:** Doctors, nurses, therapists, and other healthcare professionals will continue to be in high demand as they rely on empathy, human touch, and decision-making skills that are difficult for AI to replicate.
2. **Data Scientists and Analysts:** As AI systems generate and rely on massive amounts of data, experts who can analyze, interpret, and apply this data will be crucial.
3. **AI and Machine Learning Engineers:** Professionals who design, develop, and maintain AI systems will be in high demand, as their expertise is essential for the growth and advancement of AI technologies.
4. **Cybersecurity Professionals:** With the increasing reliance on technology and the internet, the need for cybersecurity experts to protect sensitive information and systems from cyber threats will continue to grow.
5. **Educators and Trainers:** Teachers and trainers will still be needed to facilitate learning, particularly in areas such as soft skills, emotional intelligence, and interpersonal communication, which are challenging for AI to teach.
6. **Creatives:** Artists, writers, designers, and other creative professionals are likely to remain relevant as their work relies on unique human perspectives and creativity that AI has not yet been able to replicate.
7. **Human Resource Professionals:** HR professionals play a crucial role in managing employee relations, talent acquisition, and organizational development, which require a deep understanding of human emotions and behavior.
8. **Managers and Leaders:** Effective leadership involves strategic decision-making, empathy, and interpersonal skills that are difficult for AI to replicate, making managerial roles more secure.
9. **Social Workers and Counselors:** Professionals who provide emotional support, guidance, and therapy will continue to be needed, as their work relies on empathetic human connections that AI cannot easily replicate.
10. **Skilled Trades:** Careers in skilled trades like electricians, plumbers, and carpenters are less susceptible to automation, as they often involve complex, hands-on tasks that require on-the-spot problem-solving.

AI Engineers

Managers

Data Scientists

HR Professionals

Top 10 fastest growing jobs



Source
World Economic Forum, Future of Jobs Report 2023.

Note
The jobs which survey respondents expect to grow most quickly from 2023 to 2027 as a fraction of present employment figures

European key trends (skills)

21 mil.

European workers may have to leave declining occupations by 2030 (**reskilling**)

90 mil.

European workers may need to develop new skills within their current roles (**upskilling**)

Global key trends (skills)

1/3

One-third of the 2030 workforce in the **United States** may need to learn new skills

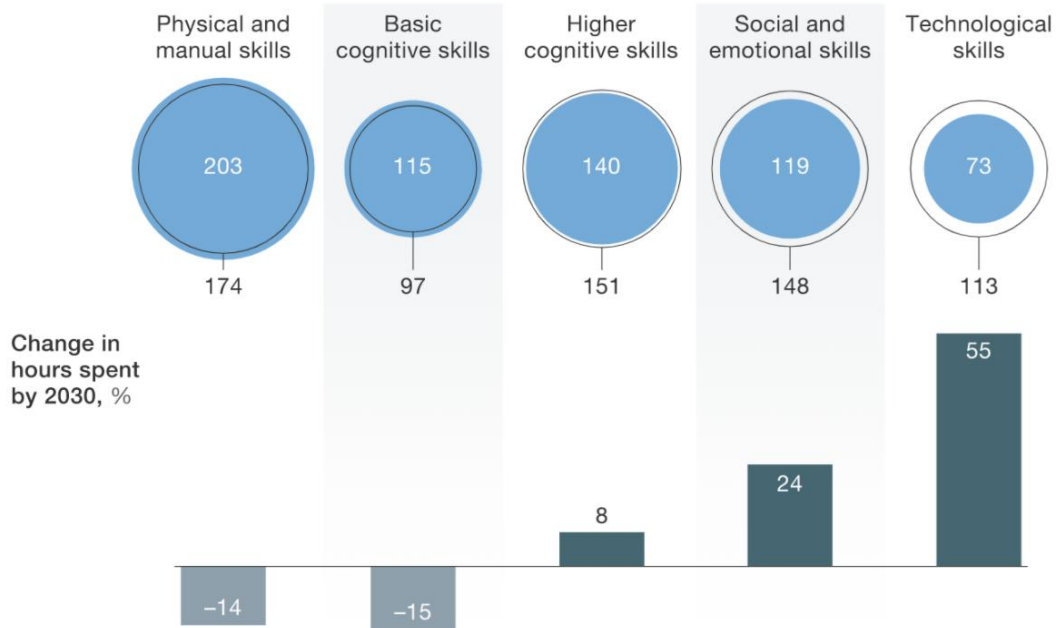
1/2

Half of the 2030 workforce in **Japan** may need to learn new skills

Automation and artificial intelligence will accelerate the shift in skills that the workforce needs.

Total hours worked in Europe and United States, 2016 vs 2030 estimate, billion

● 2016 ○ 2030



Source: [Automation and the future of the workforce](#), McKinsey & Co.

Future-proof **skills**

People skills

4 Cs (e.g. Creativity, collaboration, communication, critical thinking)

Digital skills

Basic (e.g. Microsoft Office),
advanced (e.g. Data Science)

Behavioural skills

Flexibility, adaptability, resilience,
grit, and dealing with uncertainty

Top 10 skills on the rise

- | | |
|--|--|
| 1.  Creative thinking | 6.  Systems thinking |
| 2.  Analytical thinking | 7.  AI and big data |
| 3.  Technological literacy | 8.  Motivation and self-awareness |
| 4.  Curiosity and lifelong learning | 9.  Talent management |
| 5.  Resilience, flexibility and agility | 10.  Service orientation and customer service |

Type of skill

 Cognitive skills  Self-efficacy  Management skills  Technology skills  Working with others  Engagement skills

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The skills judged to be increasing in importance most rapidly between 2023 and 2027

There will not be a shortage of jobs in the future, **but rather a shortage of skilled workers to fill newly created roles.**

A man in a dark suit and white shirt is sitting on a black folding chair, reading a document. He is positioned on the left side of the frame. To his right are three more identical black folding chairs, all of which are empty. The scene is set in a bright room with large windows in the background, showing a view of a city with many buildings. The floor is light-colored wood. The text "Invest in People" is overlaid in white on a black rectangular background across the middle of the three empty chairs.

Invest in People

The question is not whether we will have jobs in the future,
but whether these will be the jobs we want.

A photograph of two men in a warehouse setting. The man in the foreground is wearing a blue polo shirt with the Amazon logo and is smiling while looking at a laptop. The man in the background is wearing a plaid shirt and is also looking at the laptop. The laptop has a Batman logo and the word "WING" on it. The background shows yellow industrial equipment and shelves.

Create Better Jobs

AI won't replace humans in the workplace, **but humans working with AI tools will replace humans who don't.**

A man with grey hair and a beard, wearing a light-colored shirt, is shaking hands with a humanoid robot. The robot has a white head and a body with visible mechanical components. They are in a futuristic, industrial-looking environment with a grid-like ceiling and various mechanical parts. The entire image has a blue tint.

Work with AI

Resources

[Big Ideas 2024](#), ARK Invest

[Artificial Intelligence Impact on Economic Growth](#), Goldman Sachs

[The future of work in Europe](#), McKinsey & Company

[The economic potential of generative AI](#), McKinsey & Company

[The Labor Market Impact Potential of Large Language Models](#), OpenAI

[The Future of Jobs Report](#), World Economic Forum