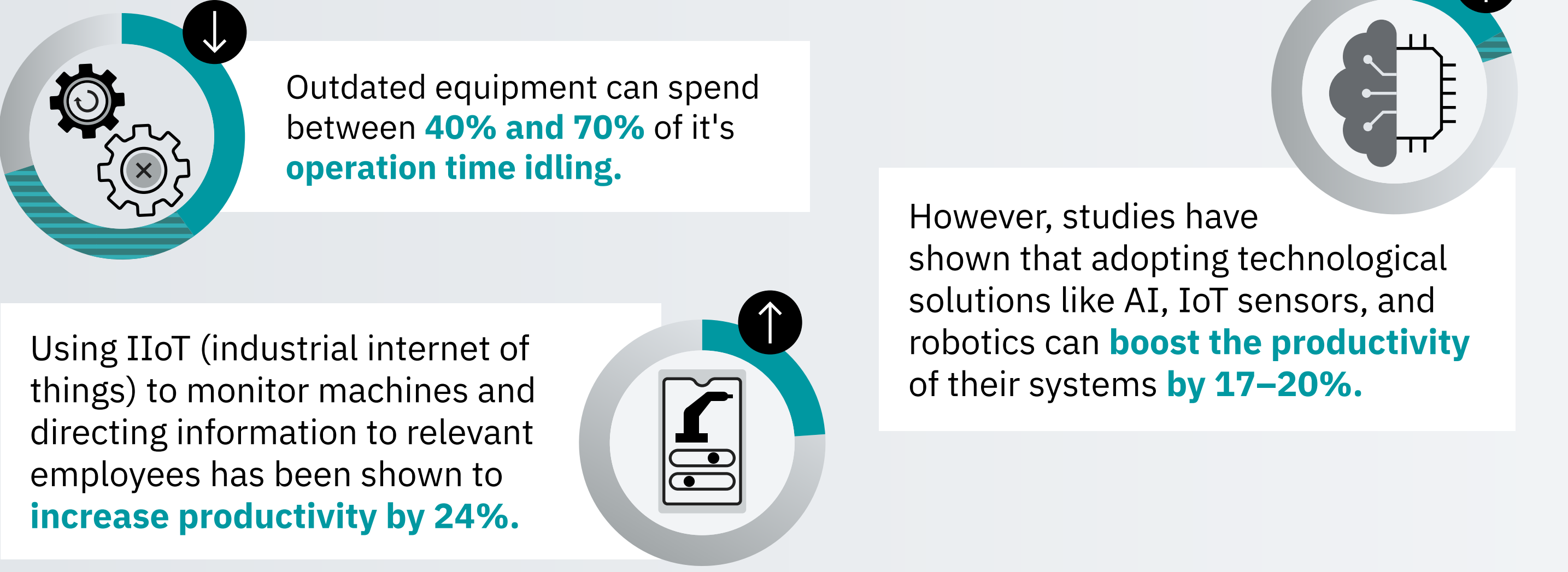


SMART FACTORIES ARE THE SMART MOVE FOR SUSTAINABILITY

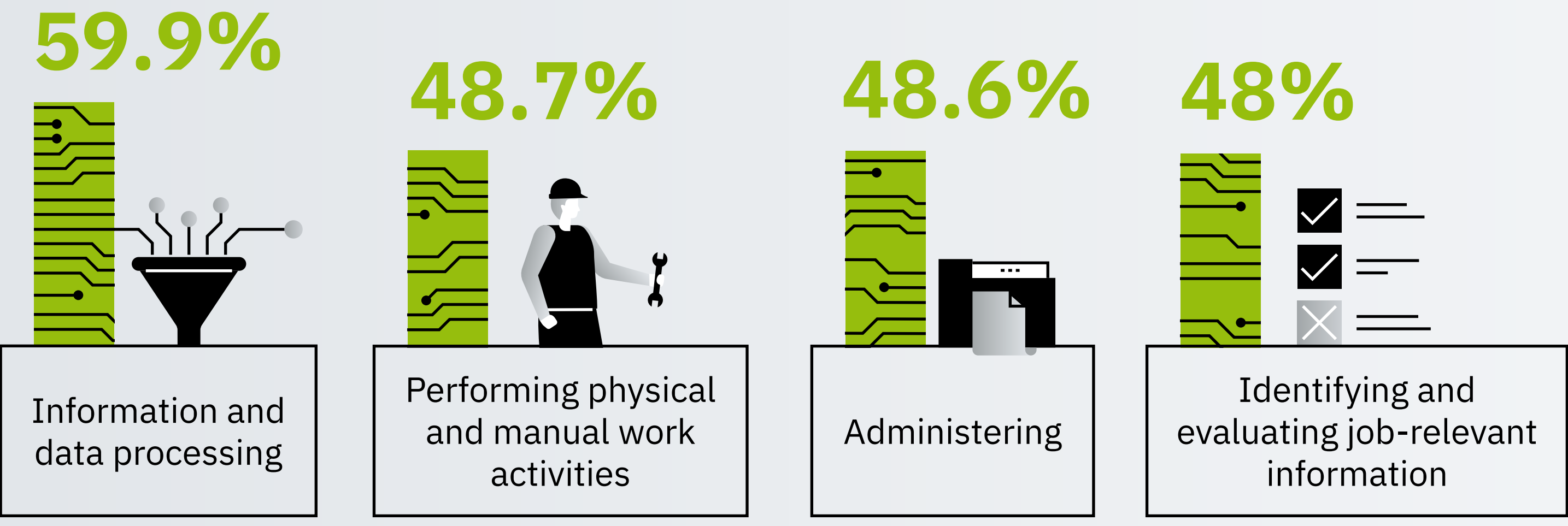
Smart factories are leading the way when it comes to leveraging data to improve operations having a positive impact on machine efficiency, reducing costs, and environmental sustainability.

As the fourth industrial revolution – AKA industry 4.0 – continues apace, we look at the positive impact automation can have on tackling cybersecurity, efficiency, safety, and sustainability in smart factories:

Improving efficiency

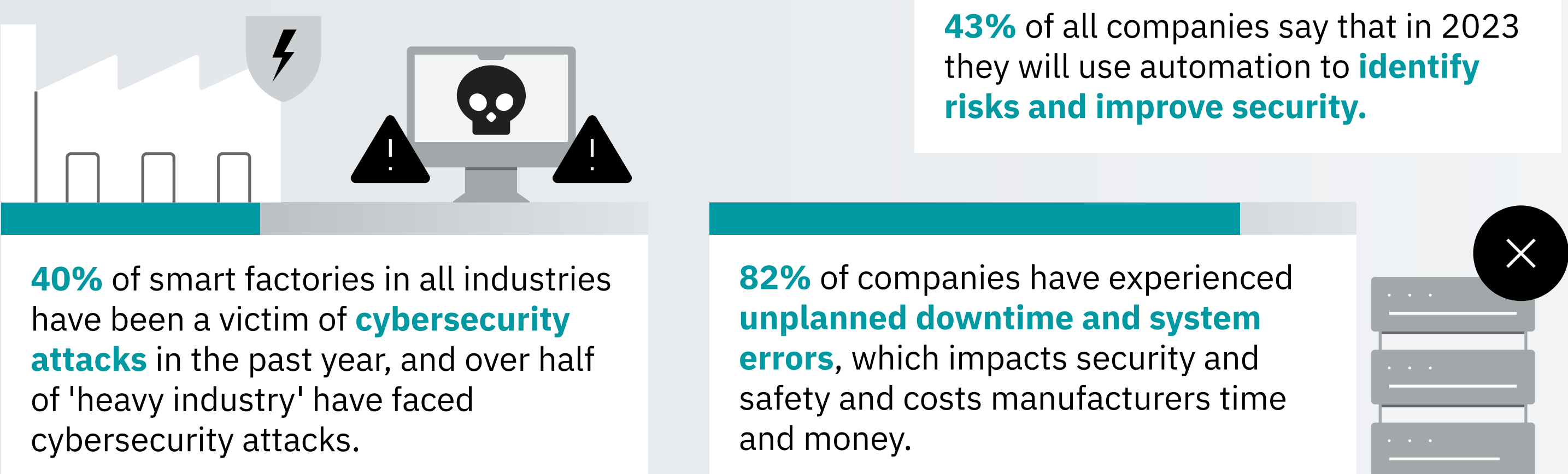


Share of tasks performed by machines in manufacturing by 2024

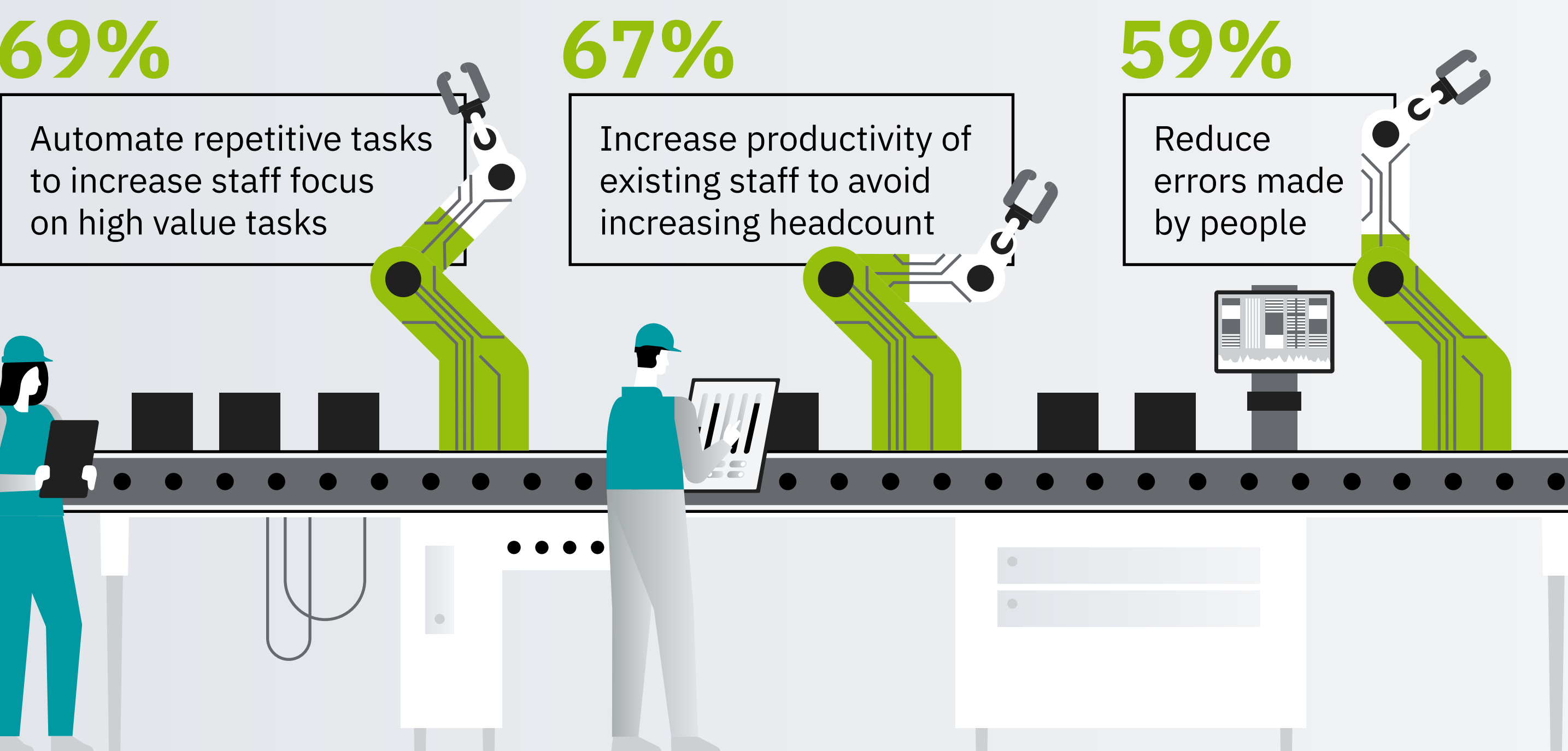


Mitigating security risks, minimizing downtime

Automated systems leveraging IIoT can aid in identifying and responding to system failures and inefficiencies quickly.

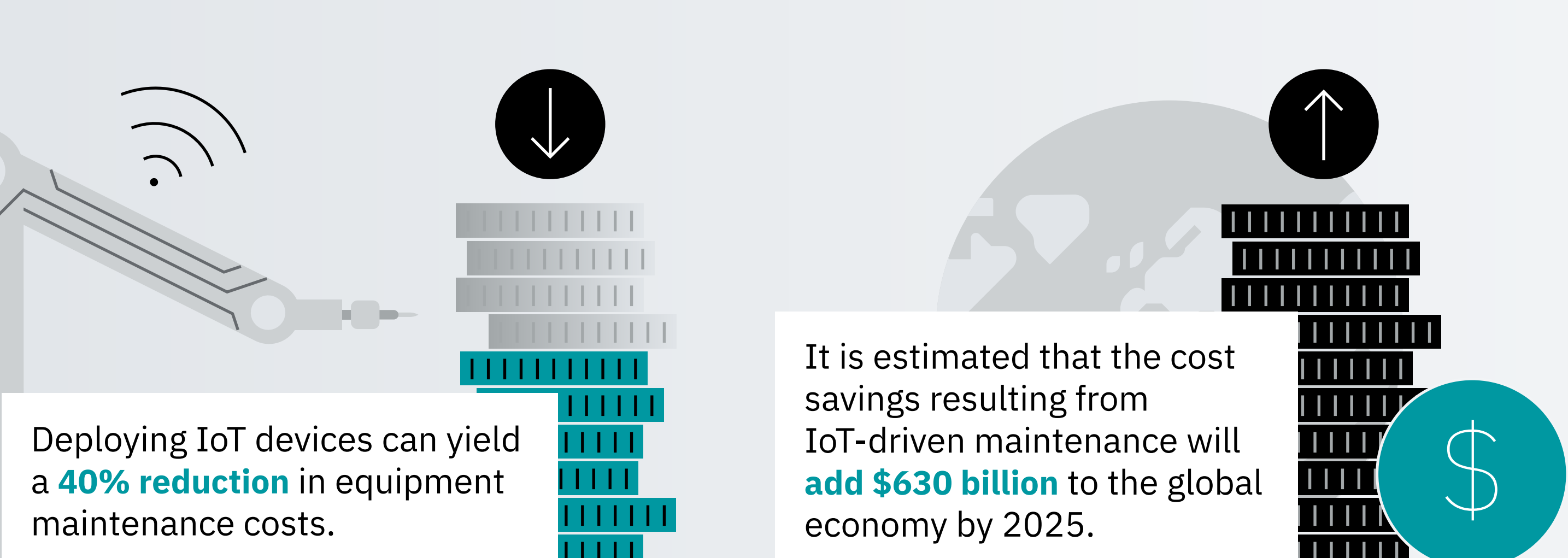


Top motivations to pursue automation



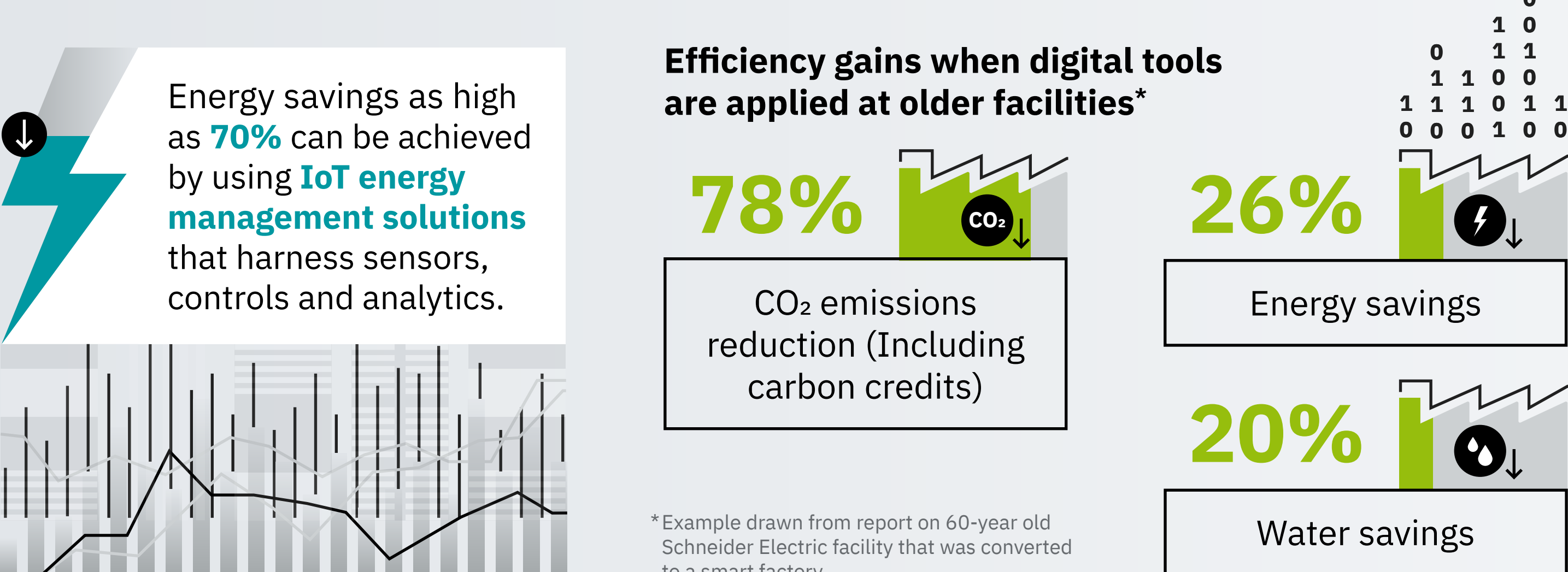
Machine longevity

Data from real-time sensors measure machine performance. This data, which measures factors such as timing, vibration, pressure, and sound, is processed and made into information, where it can be deployed for real-time operational changes.



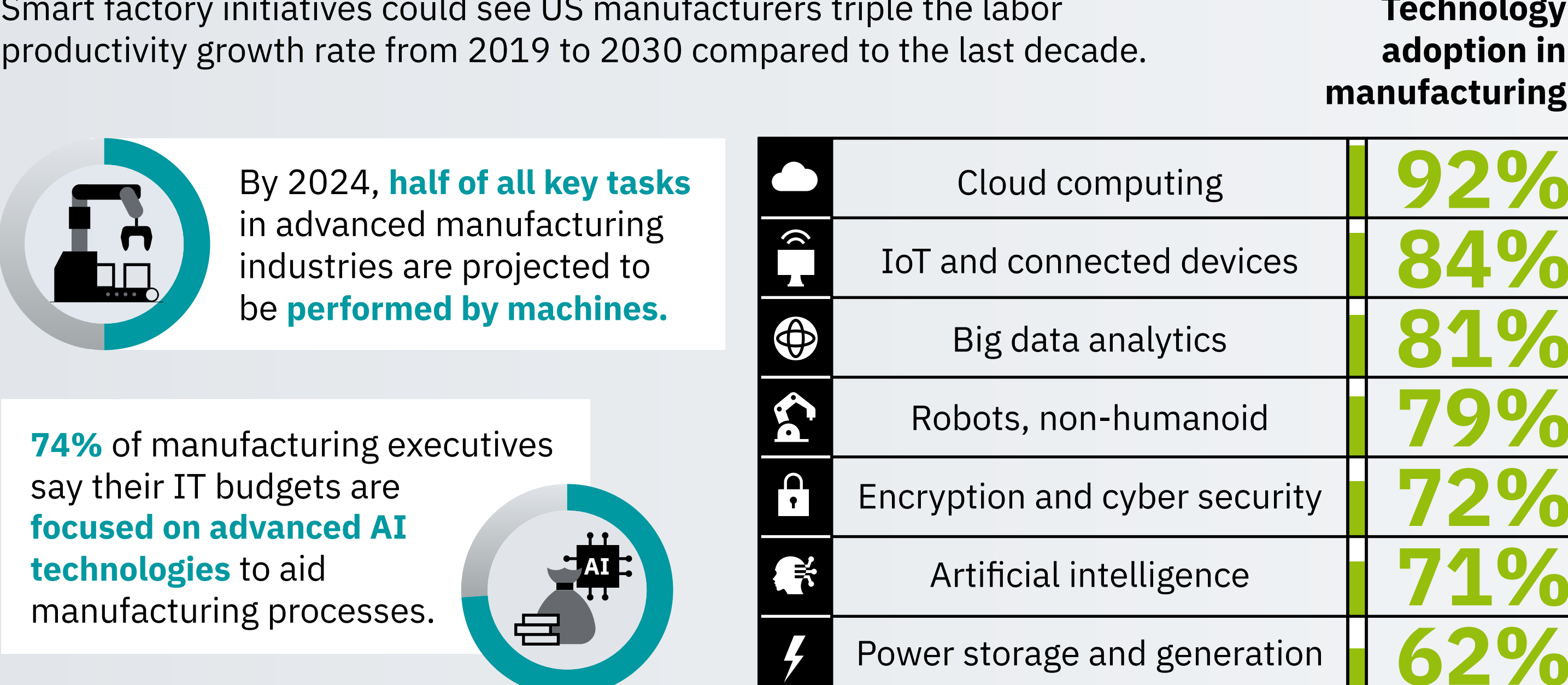
Efficiency gains that go beyond output

Globally, as of 2022, energy-related emissions from the manufacturing industry are estimated to be 24%. However, smart factories that utilize advanced technologies and tools can potentially reduce emissions and energy wastage:



Manufacturing has embraced Industry 4.0

Smart factory initiatives could see US manufacturers triple the labor productivity growth rate from 2019 to 2030 compared to the last decade.



Phoenix Contact

Smart Solutions for Data-Driven Sustainability

We offer a range of intelligent automation products and solutions that help advanced manufacturers increase efficiency, boost productivity, and streamline information sharing. Our solutions reduce human error and energy wastage, allowing you to meet your sustainability goals.

