

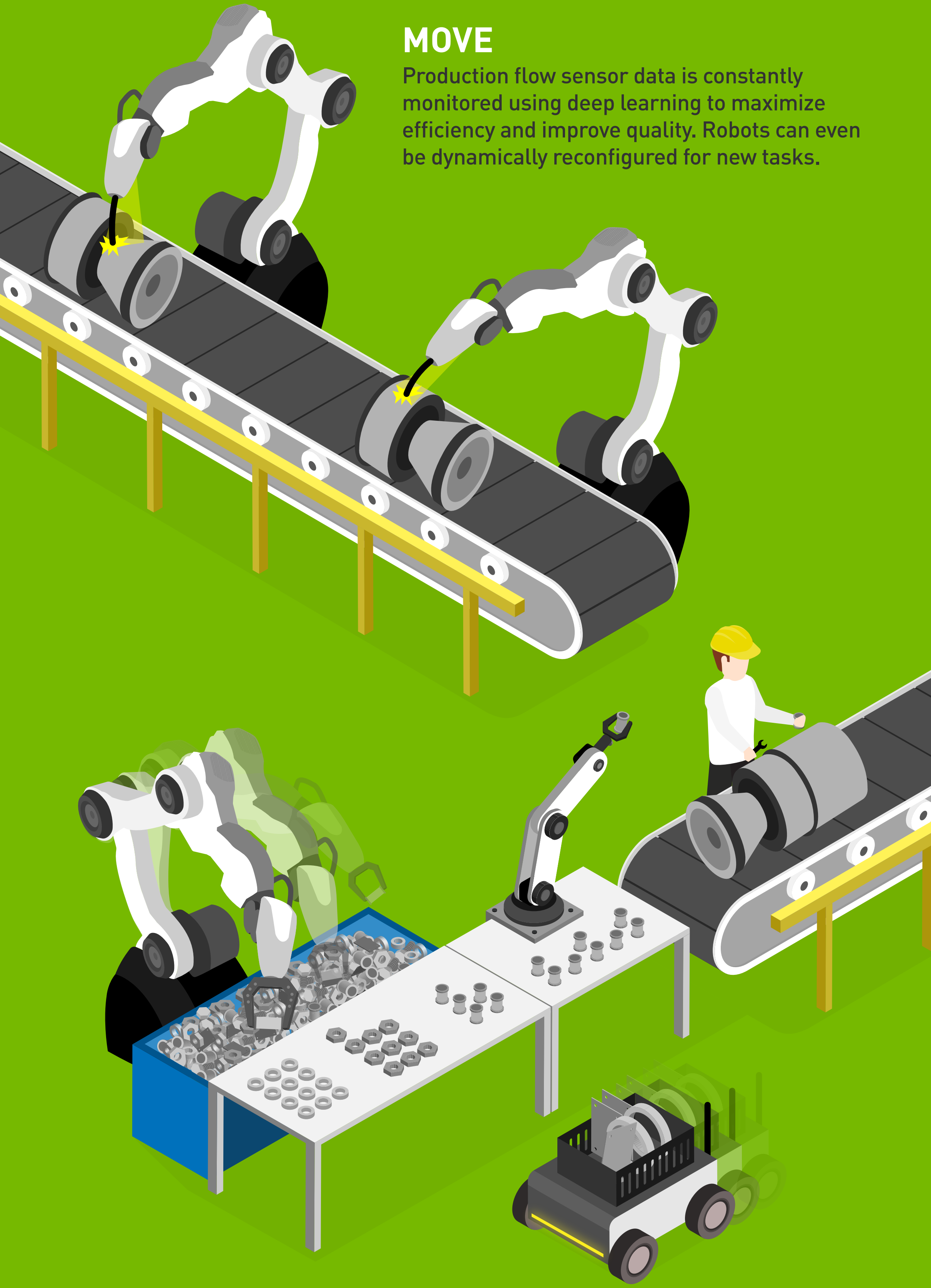
THE AI FACTORY

POWERED BY NVIDIA

AI-enabled smart factories are changing the way manufacturing is done. AI computing powers industrial robots, big data analytics, and IIOT—managing, analyzing, and acting on tremendous amounts of data from a variety of sensors. With solutions like NVIDIA® Jetson™ at the edge or near-edge and NVIDIA Tesla® in the cloud, smart factories are increasing efficiency, improving quality, and reducing setup costs.

MOVE

Production flow sensor data is constantly monitored using deep learning to maximize efficiency and improve quality. Robots can even be dynamically reconfigured for new tasks.

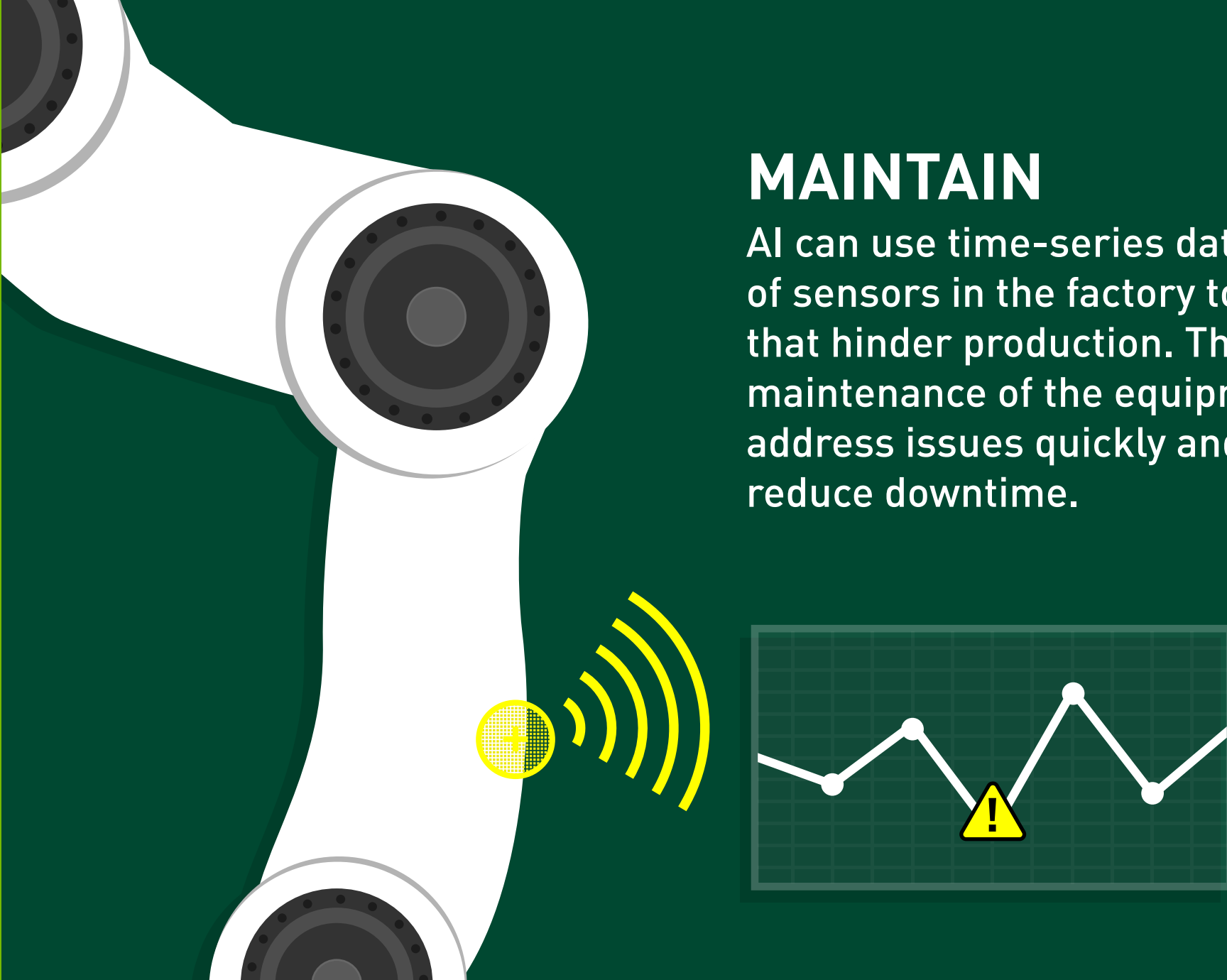


ASSEMBLE

AI increases accuracy from 60% to 95% in applications like pick-and-place from bins. A robot can do multiple tasks, many robots can work in tandem, and cobots can even work side-by-side with factory employees to improve productivity.

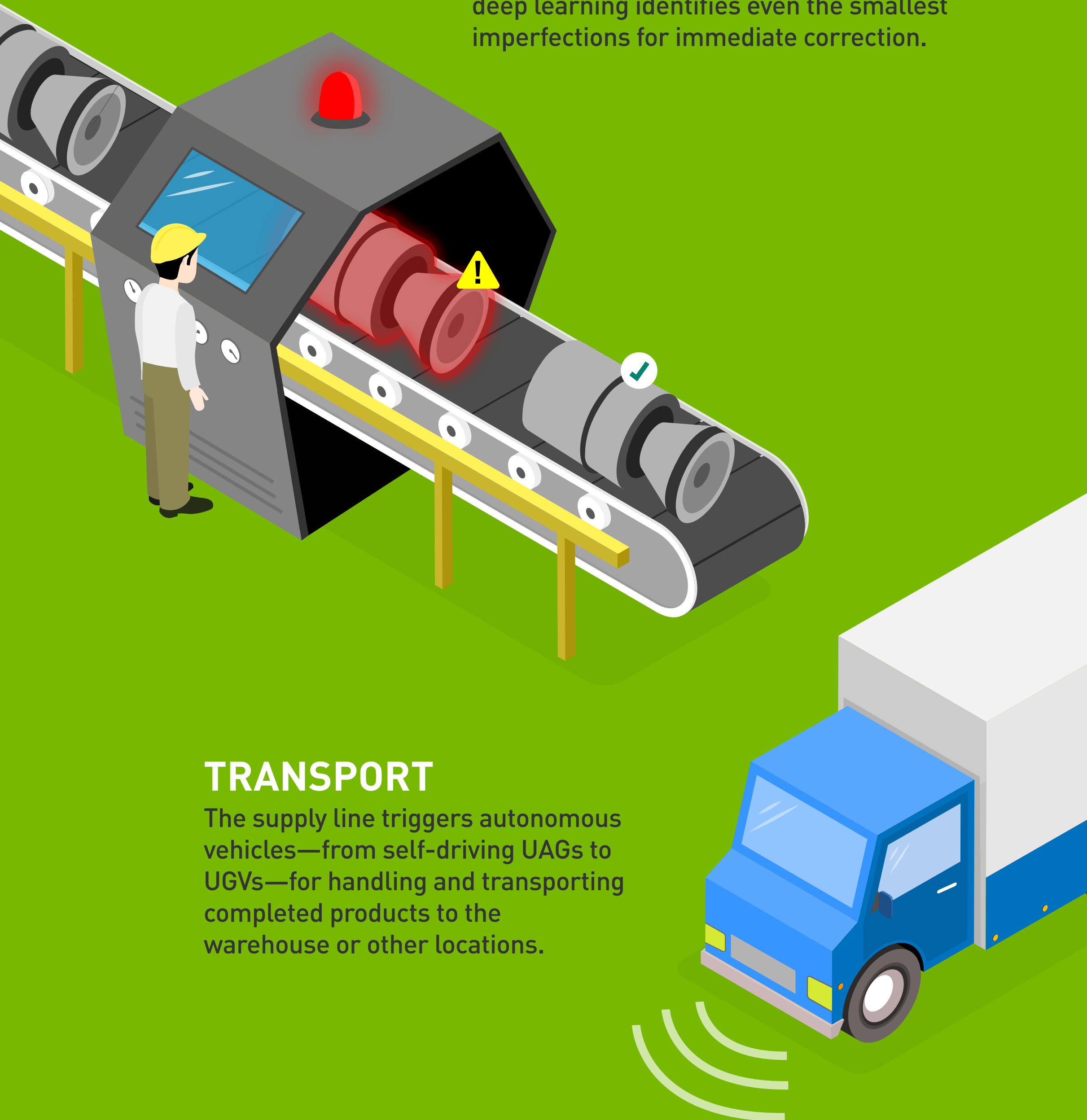
MAINTAIN

AI can use time-series data from a variety of sensors in the factory to predict issues that hinder production. This predictive maintenance of the equipment lets you address issues quickly and efficiently to reduce downtime.



INSPECT

Automated optical inspection powered by deep learning identifies even the smallest imperfections for immediate correction.



TRANSPORT

The supply line triggers autonomous vehicles—from self-driving UAGs to UGVs—for handling and transporting completed products to the warehouse or other locations.

THE ENTIRE SUPPLY CHAIN POWERED BY AI



MINING AND AGRICULTURE

Equipment automation
Operational safety



INTELLIGENT WAREHOUSE

Inventory management
Pallet movement
Physical security



LOGISTICS

Self-driving trucks
Robot/drone delivery

Learn more about the NVIDIA Jetson embedded platform at www.nvidia.com/Jetson

Learn more about the fast, powerful NVIDIA Tesla GPU at www.nvidia.com/Tesla