



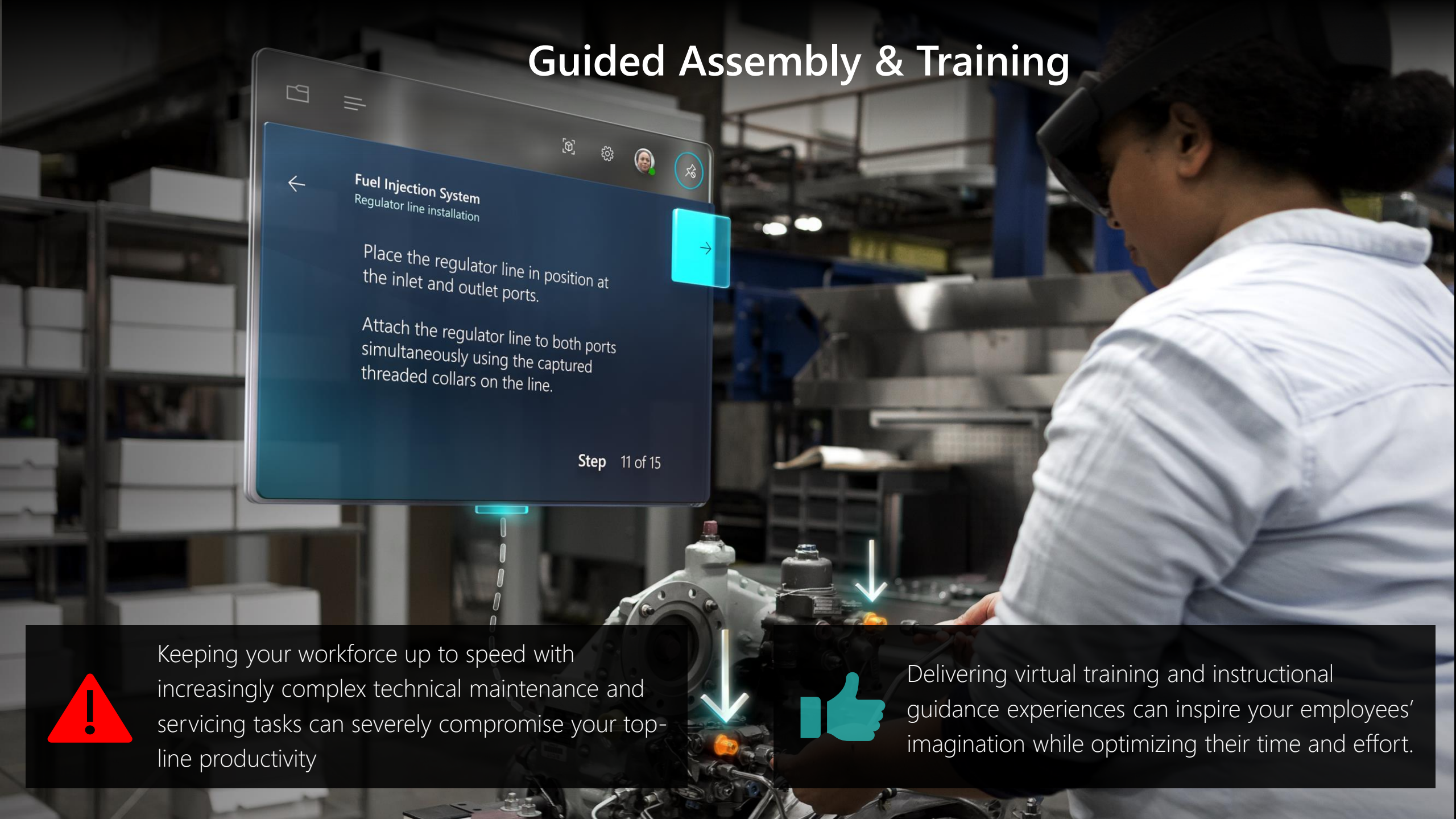
Microsoft Mixed Reality Discrete Manufacturing

Mixed Reality

Discrete Manufacturing Use Cases



Guided Assembly & Training



Fuel Injection System
Regulator line installation

Place the regulator line in position at the inlet and outlet ports.

Attach the regulator line to both ports simultaneously using the captured threaded collars on the line.

Step 11 of 15



Keeping your workforce up to speed with increasingly complex technical maintenance and servicing tasks can severely compromise your top-line productivity



Delivering virtual training and instructional guidance experiences can inspire your employees' imagination while optimizing their time and effort.

Guided Assembly & Training

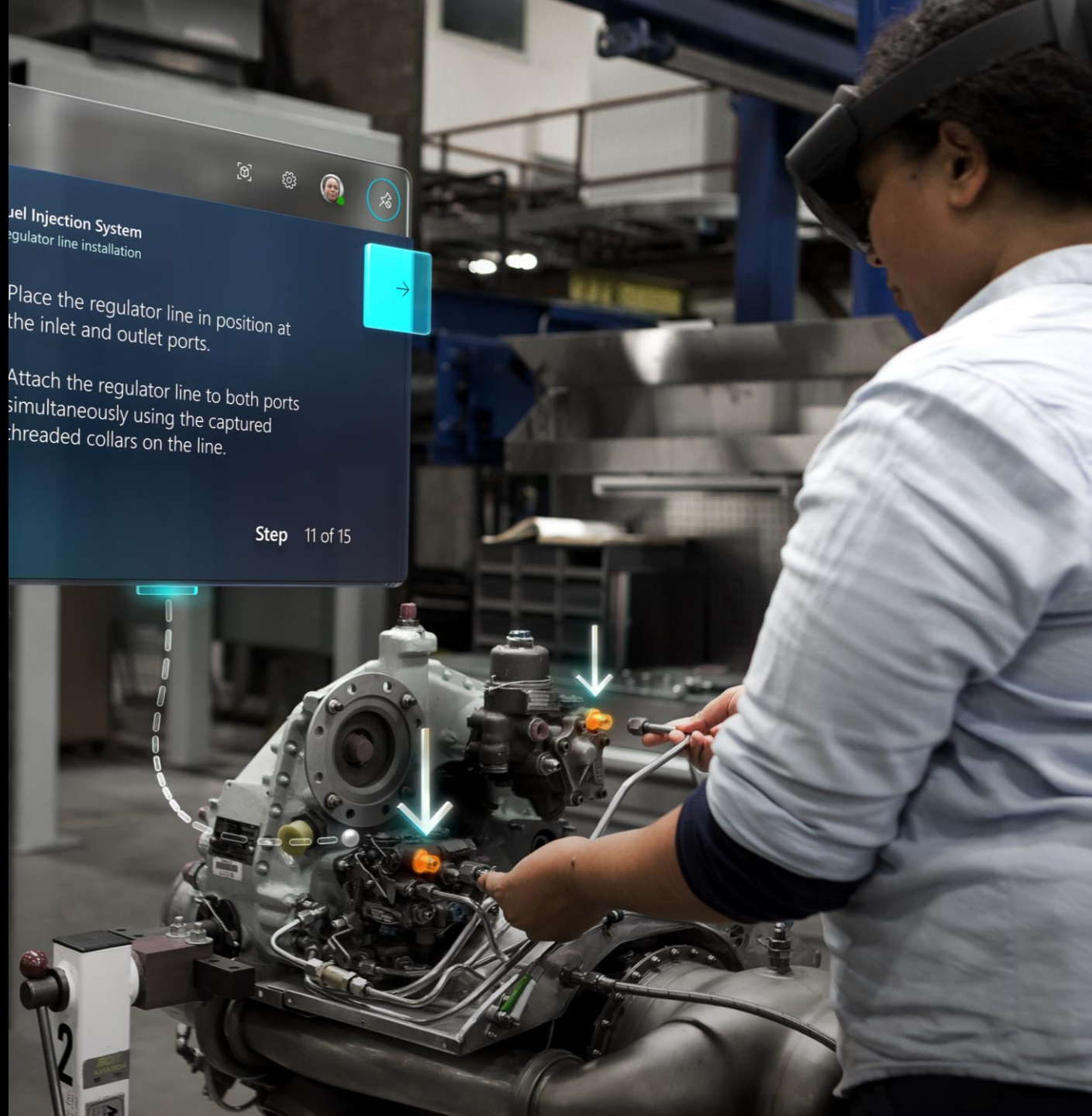
Dynamics 365 Guides for HoloLens 2 allows for employees *to learn new skills and complex assembly tasks with holographic step-by-step instructions* so that employees can reliably complete training without a trainer.



Microsoft
HoloLens 2



Microsoft Dynamics 365
Guides





Optimized their assembly technicians' experiences when using digital instruction manuals, **thereby reducing maintenance times by 90%**



Install the push rods and rocker arms and fasten the rocker arm bolts with a 10mm torque wrench.
Tighten each bolt to 3 ft/lbs torque.
Step 4 of 12



Toyota sought to optimize how their technicians were conducting on-the-job assembly training so they could maintain productivity as the products themselves became more and more complex.

Toyota created step-by-step holographic instructions enabling technicians to work heads-up, hands-free and eliminating the need for bulky paper manuals.



Remote Inspection & Audit



Quickly and efficiently bringing deep-level operational expertise to inspectors & auditors working on the factory floor can be challenging and cost-prohibitive.



Manufacturers can deliver real-time, interactive guidance from experts located anywhere in the world right to their employees on the factory floor.

Remote Inspection & Audit

Discrete manufacturers can use Dynamics 365 Remote Assist and HoloLens 2 to enable remote employees *to see and collaborate to solve a problem in real time*, using mixed reality annotations to iterate and share critical information.



Microsoft
HoloLens 2



Microsoft Dynamics 365
Remote Assist





L'Oréal technician's work is extremely time sensitive, and the company wanted to support remote audits to streamline operations and lower operational costs.

L'Oréal enabled employees in different locations to collaborate and interact with each other alongside a single common data set with Dynamics 365 Remote Assist and HoloLens 2.



Connected Field Service



Keeping their heavy machinery operating fully is critical for manufacturers, and that can be difficult to achieve with a growing workforce of less-experienced employees.



Manufacturers can aggregate all the important, relevant information directly into their technicians' lines of sight, thereby empowering their employees with actionable experiences

Connected Field Service

Dynamics 365 Remote Assist for HoloLens 2 enables *a technician to collaborate with a remote expert in real-time*, heads-up hands free at the point of work with content capture abilities, interactive annotations, and contextual data overlays.



Microsoft
HoloLens 2

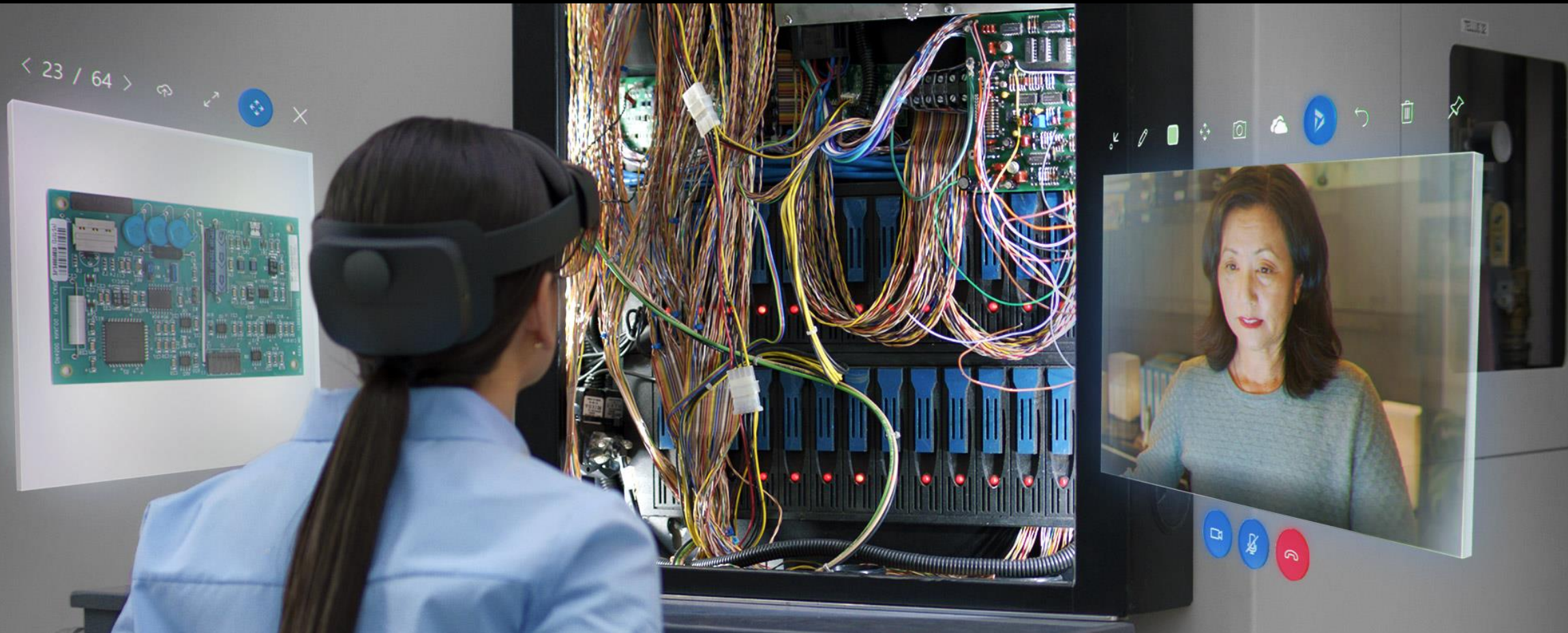


Microsoft Dynamics 365
Remote Assist



·faurecia

Increased the productivity of the plant by **reducing downtime of a machine by 90%**



Faurecia wanted to help operators solve outages in a much simpler and more efficient way.

Faurecia used Dynamics 365 Remote Assist for HoloLens 2 to deliver mechanical expertise remotely and aligned with the actions of the technician on location.

