



Whitepaper

# After Sales Service and Support



## **Table of Contents**

Overview

The Challenges Providing Global Service and Support

The Solution

Benefits and ROI

Conclusion

## Overview

After-sales service and support activities such as installation, maintenance, troubleshooting, repairs and customer assistance are necessary to ensure products continue to perform as expected.

Successful after-sales support enhances customer satisfaction, builds loyalty, and can drive repeat business by addressing issues promptly and providing solutions that improve the overall user experience. As well as this it also plays a critical role in gathering customer feedback, which can inform product improvements and future service offerings.

This whitepaper provides new strategies for reducing labour, time and ultimately the costs at the same time as providing a much-improved service to your customers, and in doing so enhances your customers satisfaction and differentiates you from competitors.

## The Challenges of Providing Global Service and Support

When machines break down an engineer will usually be sent to a customer's site to carry out investigations and repairs. The process from opening the support ticket to having an engineer on site can take up to 5 days, sometimes even more depending on engineer availability, customer location and the service companies SLA.

Often once the engineer is on site the tasks, they perform are simple ones that require a simple press of a button or flick of a switch.

Providing global service and support presents significant challenges particularly when it comes to managing the logistics of sending technicians to different countries or regions.

Travel complexities such as travel arrangements, documentation, costs, and travel times can delay response times and increase service expenses.

Additionally, remote or hard-to-reach locations may require specialized transportation or advanced planning to ensure technicians arrive within agreed service times.

Time zone differences further complicate scheduling and coordination, often resulting in longer wait times for customers.

Furthermore, international travel can lead to issues with local customs, regulations, and the availability of suitable accommodations, which can all impact the efficiency and effectiveness of service delivery. Managing these travel challenges demands careful logistical coordination and a local understanding to maintain high service levels across diverse global regions.

## The Solution

Remote support tools, such as video conferencing together with WiFi connected inspection tools, allow technicians and support teams to assist customers instantly, regardless of geographical location, eliminating the need for expensive and time-consuming travel.

This capability enables quicker response times, with issues being addressed in real-time, often without the need for on-site visits.

Additionally, a simple solution built with technologies such as Wi-Fi connected inspection tools for remote troubleshooting, together with an android tablet or AR (augmented reality device) and cloud-based platforms improve the accuracy and effectiveness of support while enabling 24/7 availability across multiple time zones.

This level of accessibility not only boosts customer satisfaction but also increases scalability, allowing businesses to manage a large volume of service requests without the need for a proportional increase in staff or resources.

## Benefits and ROI

Using technology to provide global service and support remotely offers several key benefits, primarily in enhancing efficiency and reducing operational costs.

As well as this maximizing uptime for customers by enabling service and support engineers to virtually visit means less time out of the office, more customers served and the clear environmental benefit of reducing travel.

Studies indicate that manufacturing companies reduced equipment maintenance cost by 40% and downtime by 50% when IoT solutions are implemented.\*

## Conclusion

Overall, remote technology helps deliver more timely, cost-effective, and high-quality global service and support.

The integration of technology into remote machine repair is transforming industries by enabling faster, more efficient, and cost-effective solutions to maintenance challenges. By leveraging advanced inspection tools and remote communication technologies organizations can reduce downtime, minimize operational disruptions, and significantly cut maintenance costs. These technologies not only enhance the responsiveness and accuracy of repair processes but also enable more proactive maintenance strategies that extend equipment lifespan and improve overall reliability.

Remote repair technologies are also driving sustainability, as they reduce the need for on-site visits, lowering carbon footprints and conserving resources. Furthermore, they enable businesses to tap into global expertise, negating the effects of skills shortages, breaking geographical barriers and enhancing the quality of service.

As industries continue to innovate, adopting remote repair technologies will be a key differentiator, enabling companies to stay competitive, deliver superior customer service, and achieve operational excellence. The future of machine maintenance lies in embracing these technologies to unlock unparalleled efficiencies and resilience in an ever-evolving industrial landscape.

References:

\* July 2024, Nikita Singh & Joydeep Bhattacharyya, [How IoT solutions empower Remote Diagnostics and Maintenance](#)

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