

# MOBILE ROUTER OPTIMISING SHOE CARE MANAGEMENT

## HIGHLIGHTS

- ✓ [Brunngård Group AB](#), a Swedish company with over four decades of experience in shoe care and reuse solutions, needed to ensure the reliable operation of their shoe impregnating machines to maximise revenue and customer satisfaction.
- ✓ Brunngård leveraged the [RUT200](#)'s Wi-Fi capabilities to reduce data costs while maintaining seamless 4G LTE failover for uninterrupted operation.
- ✓ With [RMS](#), Brunngård gained complete control over its network of machines, monitoring performance, troubleshooting issues, and updating firmware remotely.

## THE CHALLENGE – KEEPING SHOE CARE INNOVATION IN STEP

Brunngård Group AB isn't just about shoes; it's about extending the life of those shoes and promoting a culture of reuse. A key component of this commitment to shoe longevity is its line of innovative shoe impregnating machines. These machines, strategically placed in retail locations and service centres, provide a convenient way for customers to protect their footwear.

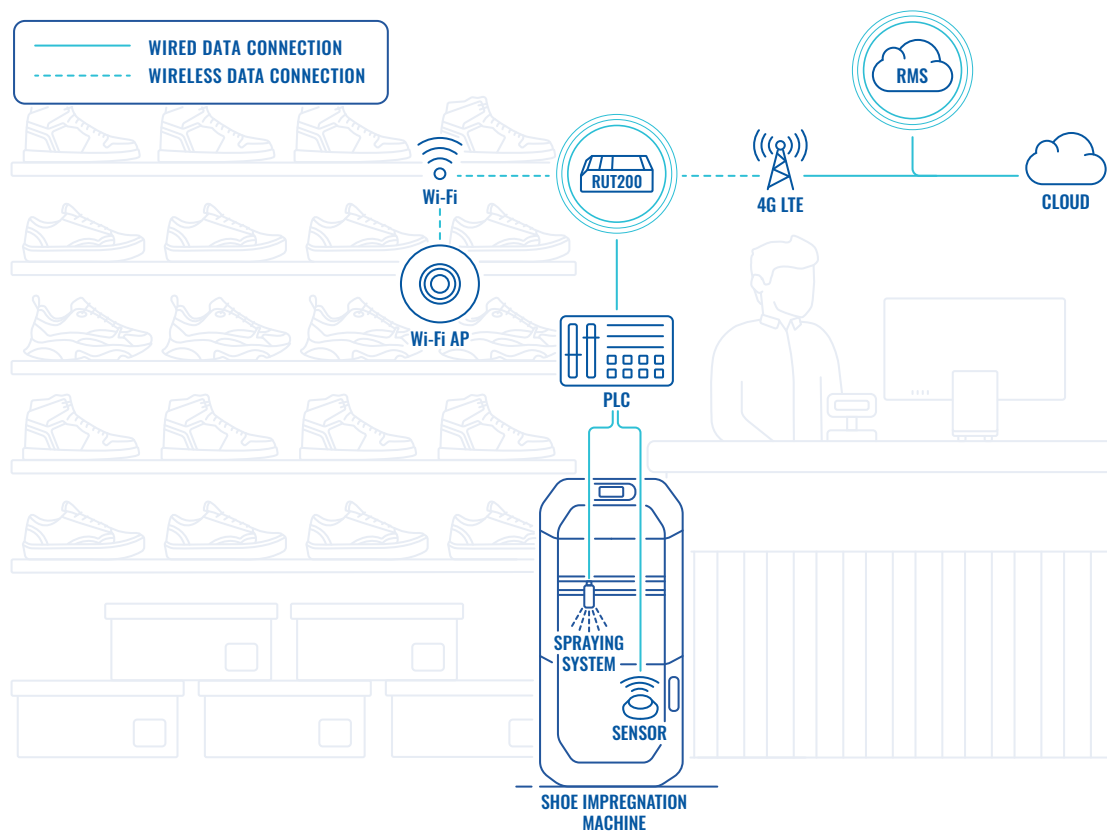
For Brunngård, the seamless operation of these machines is paramount. Each machine represents not just a service, but a crucial revenue stream and a vital touchpoint with its customers.

However, ensuring the continuous operation of these machines presents a significant challenge. Downtime directly impacts revenue and customer satisfaction, making a reliable remote monitoring and management solution essential.

This meant more than just knowing if a machine was online. It needed to track sales data for accurate invoicing and real-time business intelligence. It needed to monitor liquid levels to prevent service interruptions and ensure timely refills. And perhaps most critically, it needed a predictive maintenance system that could proactively identify potential problems, flagging fault codes before they escalated into costly repairs or extended downtime.

In short, Brunngård required a robust, cost-effective, and easy-to-implement connectivity solution. This solution needed to bridge the gap between geographically dispersed locations and their central management hub, ensuring that each machine remained online, operational, and profitable. This is where the Teltonika RUT200 mobile router stepped in.

## TOPOLOGY



## THE SOLUTION - A SMARTER APPROACH TO SHOE CARE MANAGEMENT

Brunngård's shoe impregnating machines, each a critical point of service and revenue generation, are all intelligently connected thanks to the Teltonika RUT200 industrial cellular router. This compact yet powerful device acts as the communication gateway for each machine.

The machine's PLC control system, which integrates data from the liquid spraying system and various sensors, connects to the RUT200 via RJ45. The RUT200 mobile router then transmits this vital data to Brunngård's cloud platform over the HTTP protocol, enabling real-time monitoring and remote management.

This data transfer is the cornerstone of Brunngård's smarter approach to shoe care management. This way, Brunngård gains immediate access to crucial information: real-time sales data for accurate invoicing and up-to-the-minute business insights, liquid level remote monitoring to prevent service interruptions and ensure timely refills, and perhaps most importantly—proactive fault code monitoring to identify and address potential issues before they escalate.

This constant flow of information empowers Brunngård to make data-driven decisions, optimising machine performance and minimising downtime.

A crucial element of this solution lies in the RUT200 4G router's versatile connectivity options. While prioritising cost-effective Wi-Fi for day-to-day operations, the RUT200 mobile router also provides seamless 4G failover. This ensures uninterrupted data transfer and continuous remote monitoring, even in locations with fluctuating or unreliable Internet access. This dual connectivity approach allows Brunngård to balance performance and cost efficiency.

Furthermore, the RUT200 mobile router is integrated with Teltonika's Remote Management System. This platform provides Brunngård with a centralized dashboard for device remote access, control, and monitoring of its entire network of machines.

Through RMS, it can remotely access the PLC, monitor the RUT200's connection status, including 4G usage for cost control, and ensure each machine is online and generating revenue. RMS also facilitates remote firmware updates, ensuring that all machines are running the latest software and benefiting from any performance improvements or bug fixes.

The combination of the RUT200 4G router's robust connectivity, intelligent data transfer capabilities, and seamless integration with RMS empowers Brunngård to take a smarter, more proactive approach to shoe care management. This translates to minimised downtime, optimised machine performance, and ultimately, maximised return on investment for each shoe impregnating machine.

The RUT200 mobile router provides the reliable foundation Brunngård needs to keep its shoe care innovation in step with customer demand.

If your business is ready to take the next step towards optimisation, feel free to contact us via the button below and discuss your connectivity needs.

