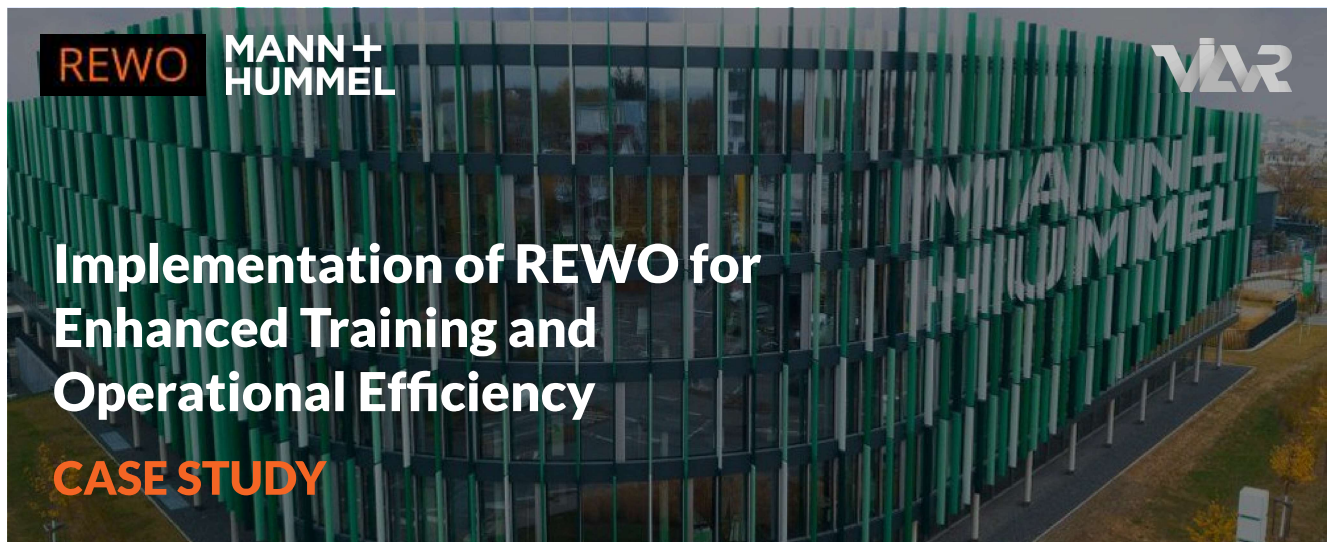




QUICK OVERVIEW

Company Overview: MANN+HUMMEL

MANN+HUMMEL, a leading global expert in the field of filtration technology, develops intelligent filtration and separation solutions for cleaner mobility, air, water, and industry in its two business units Transportation and Life Sciences & Environment. Established in 1941, this family-owned company operates over 80 sites worldwide and leverages its filtration expertise to contribute to a cleaner planet.

Solution Overview: REWO

REWO is an intuitive video work instructions platform designed for modern manufacturing companies. It enhances operational efficiency, ensures consistency, and empowers employees by providing clear, accessible visual guides. REWO's user-friendly interface, auto-translation system, and compliance features make it indispensable for quality assurance, training, and continuous improvement in manufacturing environments.

IMPLEMENTATION RESULTS

The MANN+HUMMEL adoption of REWO has significantly improved training efficiency, process consistency, and operational effectiveness across the company.

Reduced Training Time and Increased Flexibility

REWO was instrumental in reducing training times at MANN+HUMMEL. For example, training time for certain operational skills was cut by up to 50%, from 6 hours down to a maximum of 3 hours. This saved significant non-productive time. Employees appreciated the flexible access to video instructions, which made knowledge transfer more efficient and accessible, enhancing overall productivity.

REWO enabled us to cut training time by 50%!

Training Coordinator @ MANN+HUMMEL USA

Improved Data Quality and Training Consistency

MANN+HUMMEL faced challenges with inconsistent data quality from machine downtime and OEE calculations due to varied operator input across three shifts. By utilizing REWO for training, the company standardized the process across all shifts. Operators were trained using video instructions, which remain accessible for ongoing reference, leading to improved data quality and a consistent approach to using the Excel tool.

Standardized Changeover Processes

To address inefficiencies in SMED (Single-Minute Exchange of Die) changeover steps, MANN+HUMMEL used REWO to create standardized video work instructions. This resulted in a 15% reduction in changeover inefficiency, demonstrating significant improvements in productivity. Video instructions provided clearer and more consistent guidance compared to traditional paper-based methods.

**REWO helped us
reduce changeover
inefficiency by 15%!**

Lean Manager @ MANN+HUMMEL BA

Enhanced Accessibility and Documentation

In the push for digitalization and better documentation, MANN+HUMMEL set up REWO instructions to run in autoloop on

dedicated monitors and shared workplaces. This ensured that workers could access the instructions throughout their shifts. The video format proved more comfortable for operators, increasing the likelihood of reference and leading to better training outcomes and reduced errors.

Scalable Education

REWO was integrated into a sustainability academy to enhance employee education on sustainable practices. Despite some initial issues with navigation and language synchronization, the pilot launch received over 70% positive feedback. The academy aims to educate 1,000 employees by the end of 2024, with anticipated improvements in productivity and efficiency. Clear, visual instructions are expected to reduce the likelihood of mistakes, leading to fewer costly errors.

**REWO enables scalable
training and education
with a 70% approval rate.**

Innovation Project Manager @ MANN+HUMMEL

BENEFITS SUMMARY

Overall Benefits of REWO implementation:

- **Training Efficiency:** REWO's video work instructions have significantly reduced training times across multiple plants, with some processes seeing up to a 50% reduction. For

example, training on complex procedures like pressure reading locations and computer calculations for flow rate in oil and air DP testing have been clarified, speeding up the learning curve.

- **Consistency and Standardization:** The platform has enabled standardized procedures and instructions, reducing variability and errors in processes, such as a 15% reduction in changeover inefficiency.
- **Employee Satisfaction:** Employees have responded positively to the video format, finding it easier and more convenient for training and reference, which has led to more effective knowledge transfer.
- **Operational Improvements:** The implementation of REWO has led to improved productivity, reduced inefficiencies, and cost savings. For example, streamlined training processes and enhanced data quality have had a direct positive impact on operational efficiency.
- **Scalable Education:** The REWO-integrated sustainability academy is set to educate 1,000 employees, promoting a culture of sustainability within the company.

quantifiable improvements highlight REWO's effectiveness in enhancing knowledge transfer and supporting MANN+HUMMEL's commitment to innovation and sustainability. As MANN+HUMMEL continues to leverage REWO, further improvements in productivity and cost savings are anticipated, reinforcing the company's leadership in filtration and sustainable practices.

FOR MORE INFORMATION:

Contact a sales representative or reach out via email.

REWO by VIAR

www.rewo.io | info@rewo.io

VIAR d.o.o. | Part of Kolektor Group

CONCLUSION

The implementation of REWO at MANN+HUMMEL has demonstrated substantial benefits in terms of training efficiency, process standardization, and operational improvements. The positive feedback from employees and the