

Case Study

Masterplast Building an unified EHS system across multiple sites

denxpert



Introduction

Masterplast Nyrt. is a leading insulation manufacturer operating in 10 countries across Central and Eastern Europe. Its wide-ranging production, from nonwoven textiles to EPS, XPS, and roof foils, **requires careful coordination of environmental, health, and safety (EHS) activities across locations.**

In 2023, Masterplast made a strategic decision to digitalize and unify its EHS workflows. The goal: to **replace fragmented, Excel- and email-based practices** with a scalable and transparent system that supports legal compliance, data-driven reporting, chemical oversight, and equipment management. **The company chose denxpert's modular EHS platform**, where each solution—from legal monitoring to chemical safety—works independently yet seamlessly within a shared ecosystem.

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The challenges

Decentralized Tools and Duplicated Efforts Across Sites

Before the transition, Masterplast teams relied on a mix of tools and formats, combining Excel sheets, emails, printed documents to manage EHS obligations. While compliance and documentation tasks were actively performed, the lack of an integrated system made collaboration difficult. Information moved slowly across departments and locations, leading to repeated requests for the same data, overlapping responsibilities, and longer lead times to prepare for audits or project deliverables.

Human-Driven Processes and Limited Traceability

Environmental and safety data including waste volumes, energy use, and occupational safety indicators were mostly handled manually. Although the processes were in place, the absence of centralized structure made it challenging to verify data accuracy or build timely reports, especially when different departments used different templates or file versions. The manual nature of the work meant a higher risk of human error and inconsistencies.

MASTERPLAST

Complex Chemical Approval Flow Without Full Transparency

Chemical substance requests and safety data sheet (SDS) submissions followed a process, but required multiple email exchanges and file uploads to various stakeholders. While approvals were managed responsibly, there was no centralized workflow or searchable registry. This made it harder to trace the status of requests, ensure visibility across departments, or extract chemical usage data for regulatory or ESG purposes.

Safety Event Reporting Lacked Workflow Integration

Incident reporting and investigation processes were functional, but not standardized across locations. Reports were shared through various formats, making it harder to consolidate cases, identify trends, or follow up systematically.

Lifting Equipment Documentation Spread Across Sites

Lifting equipment records, including inspection logs and certificates, were kept locally, typically in separate folders or systems. This made it difficult to monitor inspection schedules centrally or quickly retrieve documentation during internal checks or external audits.

The solutions

Streamlining Legal Compliance with Role-Based Task Management

To support more consistent compliance monitoring, Masterplast implemented denxpert's Legal compliance management software. Regulatory updates are now delivered digitally and reviewed within a shared interface. Each site assigns tasks based on internal responsibilities, adds supporting documentation, and marks each requirement as "in progress" or "compliant." The compliance dashboard enables real-time tracking of open tasks, improving readiness for audits and inspections.

Unifying EHS Data Collection Across Subsidiaries

Masterplast deployed denxpert's Sustainability Data & Reporting management software to collect and validate key environmental and safety indicators across sites. Energy, water, waste, production, and accident data are now submitted in a quarterly rhythm, based on a shared structure that eliminates confusion.

The EHS team can now repurpose submitted data across multiple reporting frameworks, whether for ISO audits, internal KPIs, or ESG disclosures—without having to request it multiple times.

"The biggest advantage for site managers is that they only have to submit data once. The EHS team can then reuse that data for different reporting needs without going back and forth."

- Masterplast EHS Team

This shift has greatly reduced the administrative burden and given both site-level and central teams clearer visibility into performance and trends.

Enabling Collaborative Chemical Inventory and Risk Management

The chemical approval workflow has been transformed into a centralized, trackable process. Employees now initiate new substance requests by uploading SDS documents and completing structured forms. Environmental and safety experts are automatically notified, and once approved, substances are added to a searchable registry.

While the rollout is ongoing, Masterplast has already gained stronger insight into chemical usage across sites. The digital registry also helps support double materiality and ESG-related assessments when specific substance data is needed.

Digitalizing Incident Reporting for Better Safety Oversight

With denxpert's Safety and Incident management software, safety events can now be logged using a structured digital form. Each case includes root cause analysis, responsible roles, and corrective actions. Site teams follow a consistent investigation process, and reports are stored in one place, allowing the company to learn from past cases and proactively manage risks.

Managing Lifting Equipment Digitally Across Locations

Forklifts, cranes, hoists, chains, all lifting equipment is now tracked in denxpert's Asset management software. Certificates, inspections, and maintenance records are stored digitally, so site teams and auditors can access the latest documentation with just a few clicks.

The system played a key role during a recent ISO 45001 audit, where the ability to demonstrate traceable records across locations was highlighted as a major strength.

Conclusion

Masterplast's transition to the denxpert EHS platform marks a significant milestone in the company's journey toward digitalization and environmentally conscious operations. Compliance, data management, chemical transparency and workplace safety are now unified within a single system, boosting efficiency while reducing administrative burdens. But this shift goes beyond EHS improvements: it represents a concrete step toward embedding environmental and social responsibility into every layer of corporate operations.

By embracing a transparent, digitally supported EHS structure, Masterplast is strengthening its commitment to ESG compliance, demonstrating that sustainability is not only a strategic goal, but also a practical reality within the daily operations of a leading manufacturing enterprise.

"We knew it would be a big leap, but the impact has been bigger than we expected. It's not just about software, it's about control, visibility, and a responsible, future-ready way of working."

– Masterplast Team

All-in-One EHS Compliance Software

- ✓ 500+ companies use denxpert worldwide
- ✓ Regularly updated database managed by local experts
- ✓ Audit-ready compliance

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