

AURUBIS CASE STUDY 2025

Digital Shopfloor Transformation at Aurubis with EviView

Executive Summary

Aurubis AG, a leading global provider of non-ferrous metals and one of the largest copper recyclers worldwide, wanted to optimize shift handovers at its Hamburg site, by replacing fragmented systems and manual workflows with integrated, automated processes. EviView was selected to deliver a scalable,

modular **Digital Shopfloor Management (SFM)** System to **unify communication, enhance team performance,** and ensure **audit-proof documentation.** The implementation led to high adoption by employees and significant gains in efficiency, safety, and compliance.



AURUBIS HAMBURG SITE OVERVIEW:



1 KM² FACILITY -
the company's largest
and main headquarters



2,700 EMPLOYEES
45+ nationalities,
24/7 operations



Complex shopfloor operations
including primary smelting
and multimetal recycling



Aurubis Worldwide

Global Operations:

Headquartered in **Hamburg, Germany**, Aurubis operates production sites across Europe and North America, employing approximately **7,100** people worldwide.

The company processes complex **metal concentrates, scrap metals, organic and inorganic metal-bearing recycling materials**, and industrial residues into metals of the highest quality.

Leading in Multimetal Production:

Beyond copper, Aurubis produces 20 metals and elements including:



Initial Challenges



Decentralized information management
Hundreds of Excel sheets were used daily across manufacturing departments, leading to duplicated effort



Time-consuming manual reporting
Shift handovers, batch records, and action lists were often managed using Excel, with higher potential for data inconsistencies and time-consuming manual updates



Disconnected systems
Key platforms such as SAP PM, PI, MES, and Excel operated in silos, limiting real-time data flow and integration



Limited digital traceability
Documentation existed, but it was not consistently centralised or fully digitally traceable



Varied shift reporting
Varied processes and tools for shift status reporting made it difficult to sustain standardized daily operations

Objectives for the Digital SFM System

Replace Excel files and paper-based shift protocols



Provide a unified interface for all shopfloor-relevant processes



Enable digital signatures for shift and batch records for legally compliant documentation



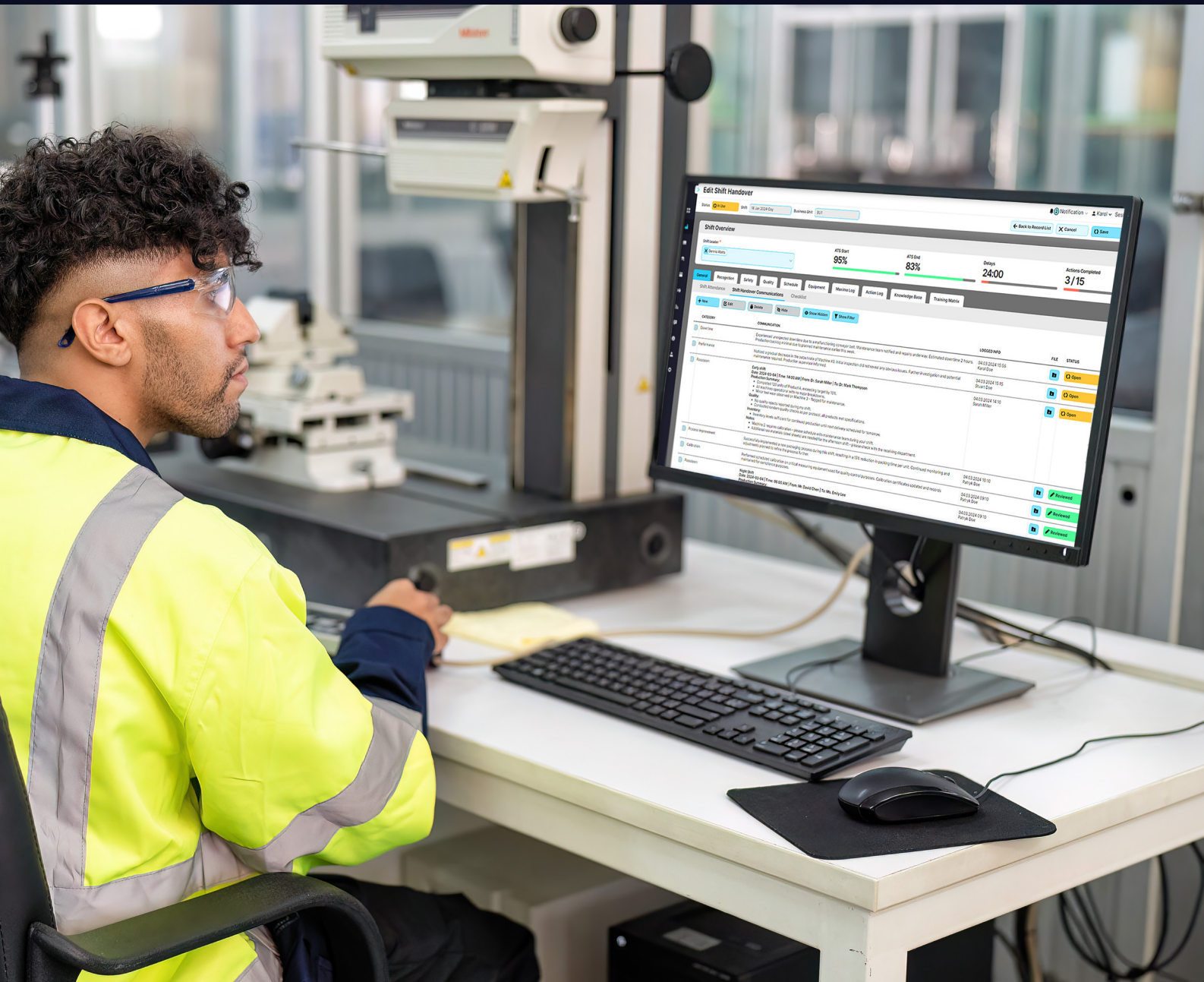
Integrate fully with SAP PM, PI, MES, Azure AD, and other systems



Standardize meeting and escalation structures



Improve further safety, reduce losses, and increase operational transparency



Solution Delivered by EviView

EviView implemented a modular, intuitive, and fully integrated digital platform that centralized all shift-based activities, tasks and communications:



Centralized Interface

a single platform for shift handovers, meeting cascades, batch records, action lists, Gemba walks, loss deployment, and other shop floor activities



Data Integration

integration with existing systems (SAP PM, SAP BW, PI, MES, Quentic, LIMS and Microsoft AD) to ensure seamless data flow and eliminate data silos



Digital Shift Handover

with legally compliant e-signatures to ensure clear, traceable information transfer between shifts



Automated Batch Reporting

self-generating batch reports with integrated deviation comments



Action List Tracking

for assigning, monitoring, and closing tasks, complete with attachments and due dates



Meeting Dashboards

for morning meetings, generated from live inputs across departments



Audit Module

to manage recurring routines such as Gemba walks, safety audits, and compliance checklists - enabling standardized creation, execution, and follow-up of structured check activities



Mobile Access

with offline capability to support floor-level usability and real-time updates



Complete Audit Trail

capturing all inputs, comments, and escalations for regulatory compliance and continuous improvement

Tangible Benefits

Category	Tangible Impact
Time Savings	Reduced manual reporting time due to elimination of hundreds of Excel spreadsheets
Reduced Reaction Time	Improved visibility and a shared view across shifts significantly reduced reaction time to issues, accelerated resolution, and strengthened collaboration on the shopfloor
Adoption Rate	Achieved full employee adoption for shift handovers within rollout period
Improved Asset Utilization	Reduced reaction time through better maintenance management
Data Availability	Improved data access and visibility across departments and shifts-real-time updates via one interface
Compliance	Fully audit-proof documentation with electronic signatures and digital trails
Communication Efficiency	Significantly cut down escalation and issue resolution time through structured meeting preparation and action lists
Error Reduction	Reduced information transfer errors by digitizing shift handovers and removing reliance on paper printouts
Downtime Insights	Enabled structured tracking and analysis of downtimes, replacing outdated tool with actionable data
Scalability	Platform prepared for rollout to 7,100 users across multiple Aurubis sites
Training Efficiency	Short learning curve thanks to intuitive UI and hands-on training support
Coverage	Rolled out in 100% of production areas at Aurubis Hamburg



Before and After Shop Floor Digitalization

Area	Before EviView	After EviView
Shift Handovers	Manual, printed	Fully digital, signed, standardized
Batch Records	Manual data linkage from various systems	Centralized, structured, integrated reports
Action Lists	Multiple non-integrated lists	Centralized task tracking with attachments
Escalation & Communication	Unstructured, informal processes	Clear escalation pyramid with traceable inputs
Training & Adoption	High variability in use	100% adoption with upfront and on-the-job training
Data Integration	Disparate systems	Seamless SAP, PI, MES, LIMS, EHS systems integration
Audit & Compliance	Manual documentation	Audit-proof logs and protocols
Team Performance	Time consuming KPIs	Real-time metrics for continuous improvement



Implementation Success Factors



User-Centric Design:

Easy to use and understand



Modular Rollout:

Piloted in Secondary Smelter and Acid operations



Strong Change Management:

Hands-on training for all shifts



Continuous Feedback Loop:

Direct support from Continuous Improvement and Digital Factory teams



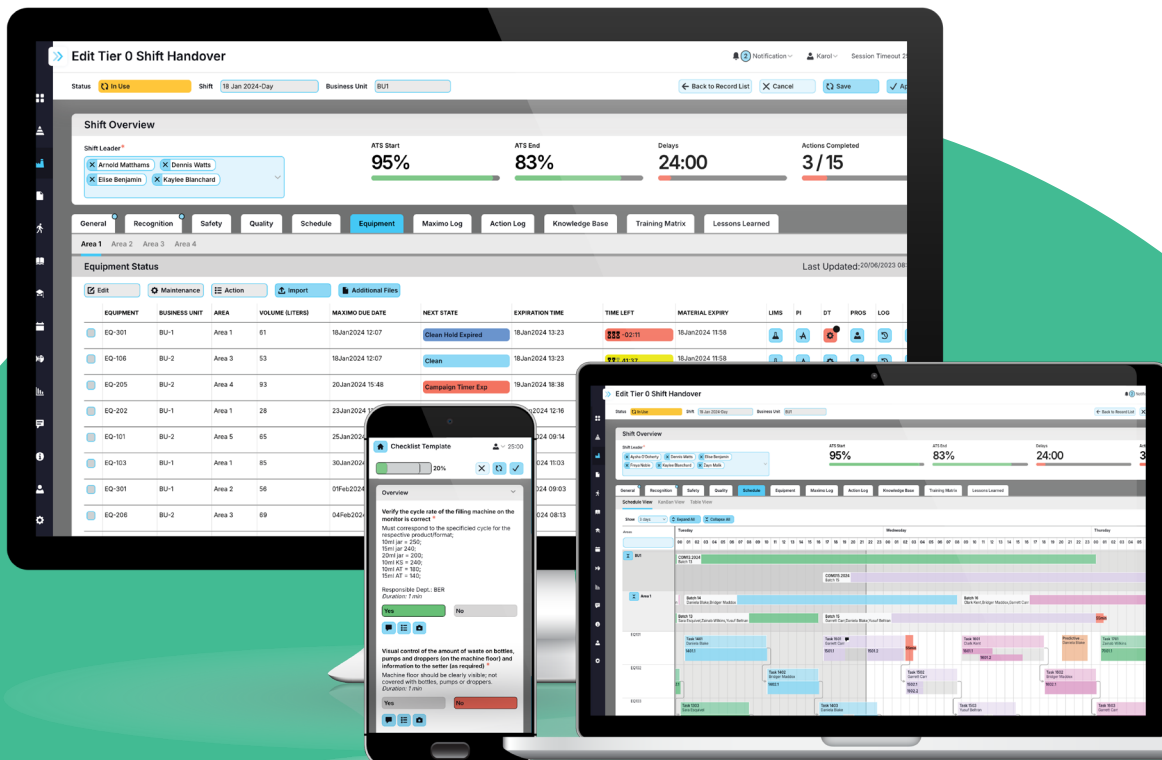
Custom Configurations:

Adaptable modules aligned with Aurubis workflows

Expansion across the Aurubis network

Global deployment of EviView to other Aurubis sites beyond Hamburg. It is now also in use at the Olen, Lünen, Berango, and Beerse sites, with the goal of achieving full rollout across all major production sites in the network.

Expanding EviView beyond its current scope to introduce new functionalities and modules.



Conclusion

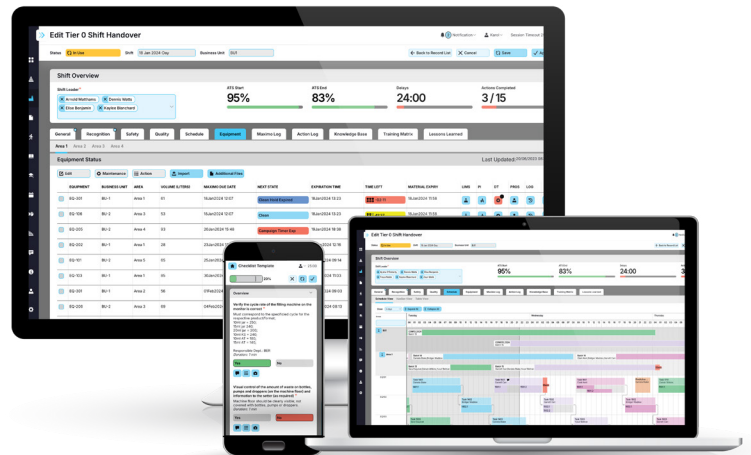
By implementing EviView's Digital Shopfloor Management system, Aurubis:



Oliver Kwasniewski

Head of Continuous Improvement & Quality Aurubis Hamburg

Aurubis' collaboration with EviView is supporting steady improvements in our operations. With actionable insights and real-time data, EviView helps advance our operational excellence, contributing to sustainable growth.



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