

Reducing Exposure to Serious Injuries and Fatalities

Challenge

A global leader in engineered materials for the industry grew concerned that it didn't have full visibility into the risks its workforce faced on the job. Despite having strong foundational safety systems in place, its employees were at risk for incidents with serious injury and fatalities potential (SIF).

A number of factors contributed to this situation. First, the raw safety data the organisation collected was fragmented as it was spread across many different sources: SAP, Intellex, Enablon, and even spreadsheets. Among its leadership, a cultural disconnect existed between its perceived and actual safety maturity. Repetitive incidents were taking place, but the company couldn't trace their collective root cause. Finally, the organisation had limited visibility into whether its controls were effective or not.

dss+ Approach

The company turned to dss+ because it needed a centralised risk intelligence system. The company also wanted to improve its safety culture at the leadership level, improve site-specific accountability and to scale up risk governance that was consistent across its global footprint.

First, dss+ conducted an assessment to map hazards, barrier failures, and systemic gaps across five global sites — Brazil, India, Austria, China, and the United States. Using dss+360, an AI-powered digital platform, the company launched the dss+ Safety Perception Survey to get a true sense of the organisation's safety culture.



The next step involved benchmarking the company's safety maturity using the dss+ Bradley Curve™, a framework designed to lower incident rates and improve the safety culture. As a result, dss+ developed custom dashboards for governance and site performance tracking.

Prioritising quick wins (such as creating awareness about the top-ranking potential SIF areas) was next. dss+ activated frontline coaching and supported risk ownership using field-validated controls and learning interventions. Finally, dss+360 was utilised to scale up learning by launching special dashboards for each geographical site, which resulted in the training of more than 125 leaders.



Assignment

To improve the company's safety culture, controls, accountability, and to scale it globally.



Offering

dss+360 Digital Platform, ORM Consulting.



Impact

- AI-driven insights revealed systemic failures in risk control and leadership perception gaps.
- More than 40 siloed data sources were centralised into a single view of risk, which exposed high-potential SIF areas that were previously hidden.
- Occupational Safety and Health (OSH), Process Safety, and Operational Risk data were collectively integrated into a unified risk-based roadmap that leveraged real-time data and analytics.
- Through digital tools, the Safety Culture Transformation program accelerated the global implementation across all sites.



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