

Case Study.

Zinc-Lead-Silver Producer.
South Asia.
Mining & Metals.

Strengthening Asset Integrity Practices at a Zinc-Lead-Silver Producer

Challenge

A large multi-site mining and smelting company, specializing in zinc, lead and silver mining and production, spent two years strengthening its safety practices and performance but realized it needed support with accelerating improvements in Process Safety Management (PSM). The company engaged dss+ to assist, in particular with the development of a Mechanical Integrity and Quality Assurance (MIQA) framework.

Solution

dss+ designed a comprehensive plan for developing and implementing a robust MIQA framework. Selected company leaders were also trained and coached to develop MIQA champions, with the critical role of driving full-scale implementation and sustaining new MIQA practices. In addition, dss+ trained frontline staff in the effective adoption of MIQA systems and processes.

As part of the process, dss+:

- Designed and introduced best-in-class MIQA systems and processes (e.g., asset criticality, new equipment quality assurance, critical spares quality control, critical equipment assessment, etc.)
- Facilitated workshops with key personnel to identify pilot areas for establishing new and upgraded MIQA practices
- Created clear MIQA governance mechanisms for alignment and integration into the broader existing PSM governance framework
- Designed and rolled out MIQA performance dashboards to help drive, sustain and continue rollout



Assignment

Improve Asset Integrity and Accelerate PSM program.



Offering

Operational Risk Management / PSM.

MIQA & Capability Building.



Impact

Reduced risk profile in critical equipment classes.

Improvement to level 4 on MIQA maturity scale (0 – 5) in 18 months.

+15 equipment classes covered by the new MIQA framework.

164 leaders and front-line staff trained and coached.



Protect. Transform. Sustain.

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