



# PIPELINE INTEGRITY MANAGEMENT SYSTEM







## The Importance of Asset Integrity

In mining industry, pipeline systems are critical assets for the business, therefore, failures/downtime has a profound impact. There are two main reasons for this high-risk level:

- Direct Impact on Environment, Communities, Safety and in the Continuity of Business.
- High probability of occurrence, as normally there is a lack of preemptive controls in place.

Thus, the integrity management system strives to provide tools that allow control and risk relieving, addressing holistically and systematically all the threats that may impact the systems integrity, ensuring a safe operation during its lifespan.



**Scaling:**  
Accumulation of scale on the internal walls of the pipeline.



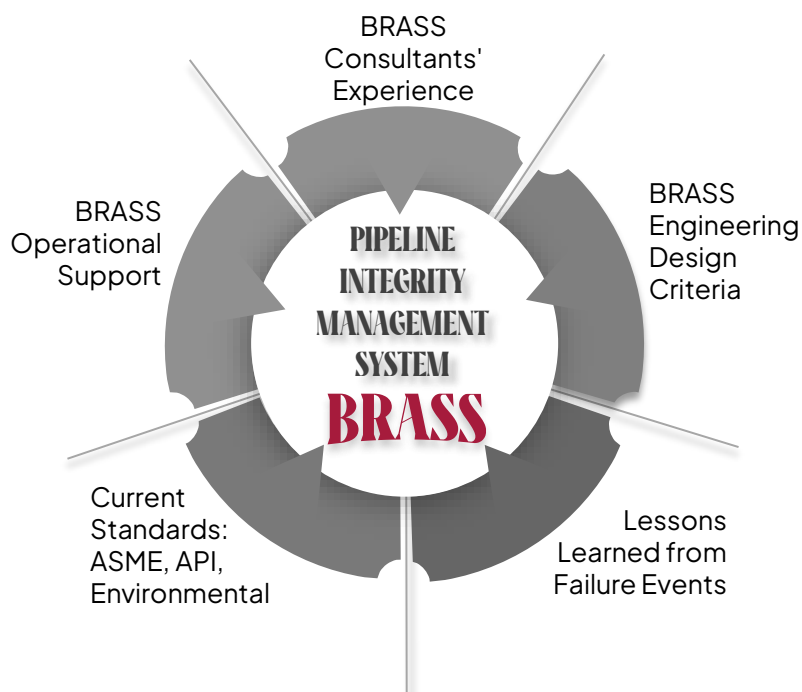
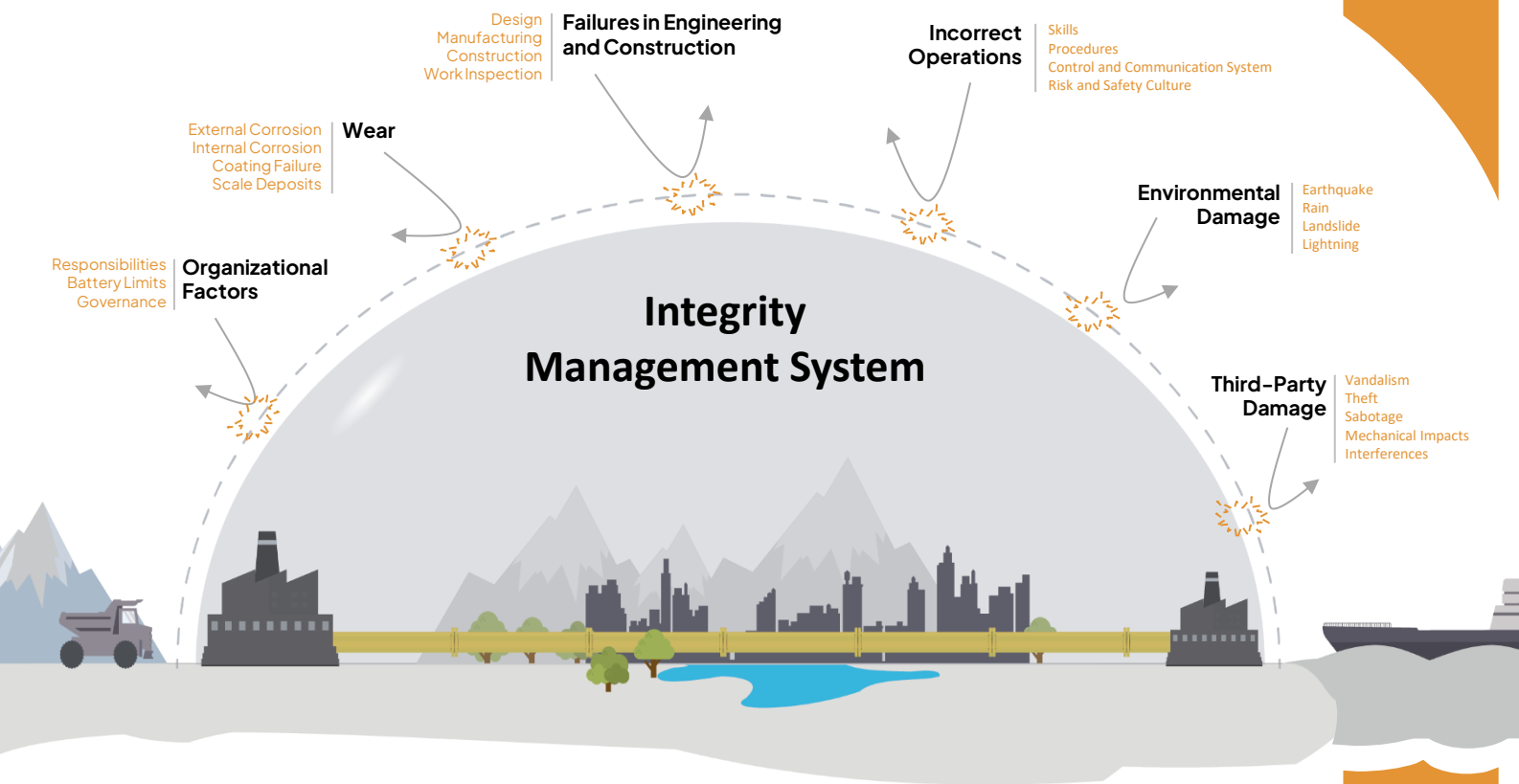
**Discharge Ring Failure:**  
Wear, cracking, or breakage of ceramic components.



**Special Part Failures:**  
Damage to internal linings.

# PIPELINE INTEGRITY MANAGEMENT SYSTEM

The Pipeline Integrity Management System is a set of policies, processes, and procedures developed to ensure the operational continuity of Fluid Transportation Systems throughout the life cycle of each asset, minimizing risks associated with the safety of people, environmental impact, and communities.



With over 22 years of experience, BRASS has been developing and implementing engineering projects for Fluid Transport Systems in the mining industry and other sectors. Coupled with a solid technical foundation and expertise in Hydraulic Engineering, Piping Mechanics, and other disciplines involved in engineering projects, BRASS has developed a methodology that integrates knowledge, experience, and the BRASS Quality hallmark.



# Solutions for Pipeline Integrity Management

- Fluid Transport System Audits
- Training Plans
- B-Voyager® Internal Pipe Inspections
- Operations and Maintenance Support
- Chemical and Mechanical Pipeline Cleaning
- Corrosion Evaluation
- Thickness Measurement
- B-LDS® Leak Detectors
- B-PIMS® Integrity Management Software



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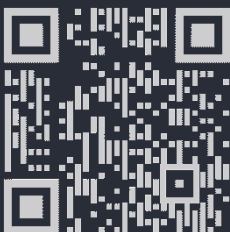
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