

Challenge Identification

To implement a smart monitoring system for wear in transfer chute plates using sensors to enable predictive maintenance and reduce unplanned failures

Area	Concentrator Plants
Problem Description	<p>The lack of early detection of wear can generate failures that go unnoticed and result in production losses. This type of wear is associated with the impact and abrasion of the transported material. Without a proper monitoring system, the liners and internal protections of the chute may deteriorate faster than expected without being identified, which causes the chute to operate with critical thicknesses without timely detection by the maintenance team.</p>



Expected Results

To ensure operational continuity to maximize yields in a safe and reliable manner. To eliminate MDF due to chute failures, reduce costs, optimize maintenance



Scope

To change the strategy | To remove activity from the site | To minimize total cost ownership | To eliminate bottlenecks