

WHITE PAPER

Reducing costs, increasing throughput

Surface protection solutions for ultimate operational efficiency

Introduction

In recent times the focus of plant operators across the mining industry from coal and iron ore, to gold and lithium has been on driving up tonnage volume to maximise throughput and reduce costs. The extended life cycle of their plant is seen as critical in creating cost savings and maximising site productivity.

REMA TIP TOP Surface Protection Solutions

REMA TIP TOP's Surface Protection Solutions in the Australian market meet this challenge by protecting its client's plant equipment and assets from harsh, corrosive, acidic and abrasive materials, improving equipment life cycles and reducing maintenance costs.

Globally, REMA TIP TOP is recognised as the leading supplier of Corrosion and Surface Protection Solutions. Its range of products including rubber, brick and ceramic linings are world leaders when it comes to maximising

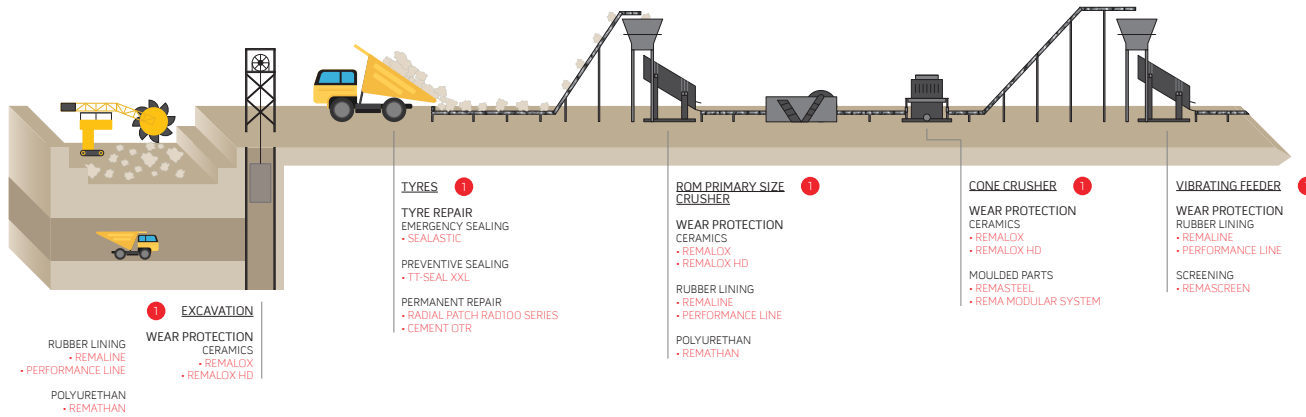
plant productivity in a challenging global mining economy.

REMA TIP TOP's Surface Protection Solutions utilise a highly-trained, dedicated team with specialist skills, using the knowledge and experience from our global partners to create improvements in its customers' long-term plant life cycle and maintenance costs.

REMA TIP TOP utilises dedicated chemical analysis, research and innovation teams, focused on continuously improving its rubber compounds, coatings and adhesive formulas.

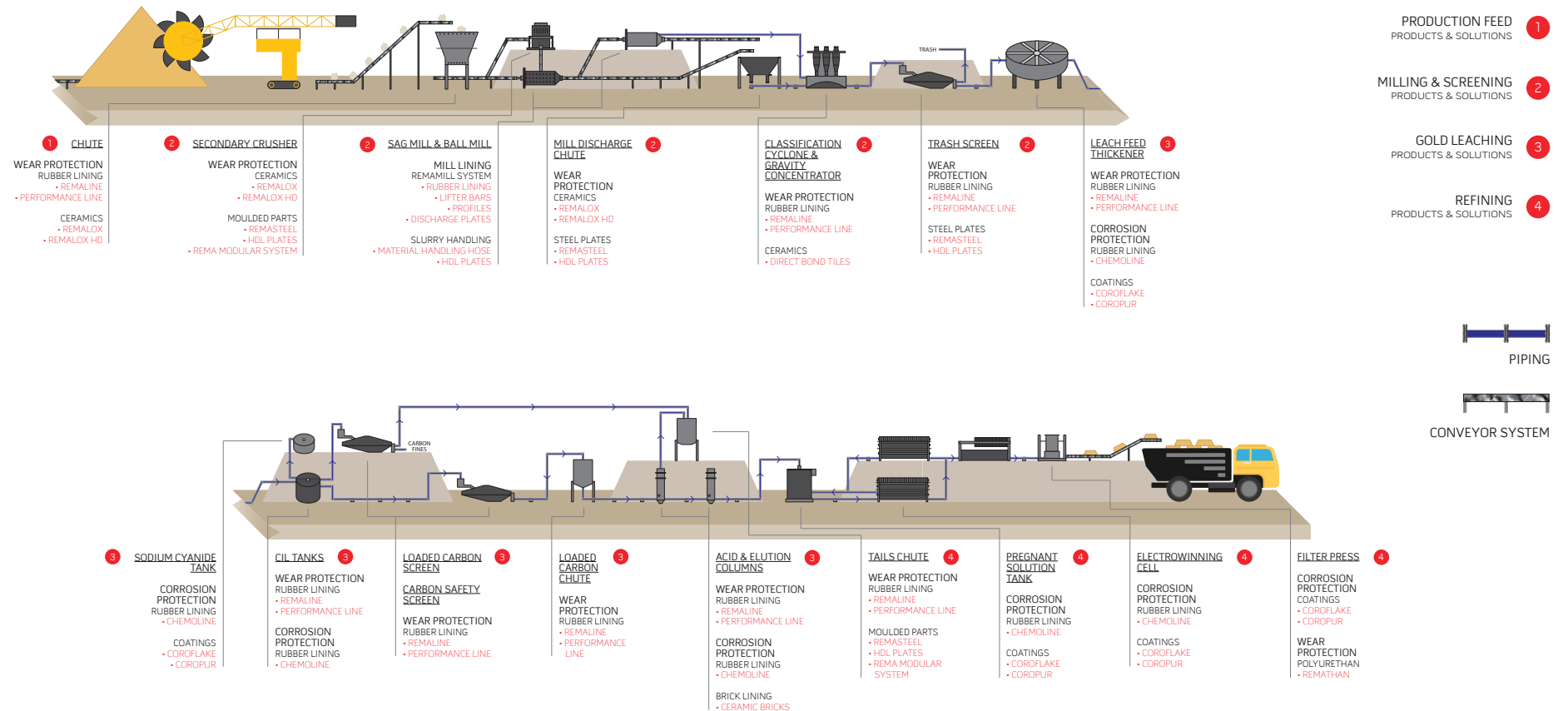
These advancements are paired with innovative technologies such as sensors, radar-based scanning, digital modelling and cloud-based reporting, analytics and management that offer the greatest opportunity for its customers to improve efficiency and productivity and reduce unplanned downtime and cost.





REMA TIP TOP's solutions give plant operators a complete range of conveyor belting and components, wear protection and surface protection products tailored to the specific needs of their mining plant.

TYPICAL MINING PROCESS VALUE CHAIN AS SHOWN IN GOLD PROCESSING





Reducing wear and extending lifetime of discharge chutes

At a coal terminal of one of REMA TIP TOP's customers in China, a discharge chute was experiencing a high degree of abrasion and wear.

Previously lined with 20mm steel, the discharge chute was experiencing an average life cycle of approximately two months, which resulted in regular maintenance and cost.

REMA TIP TOP recommended and installed REMALOX HD 35, a composite surface protection lining constructed of highly wear resistant ceramic cylinders hot-vulcanised in special rubber on a metal layer which enables a secure fitting.

This resulted in the life cycle of the chute being extended from just two months, to over eighteen months, which reduced costs and extended throughput significantly.

2 month
life cycle
with steel

18 month
life cycle
REMALOX HD

Conclusion

REMA TIP TOP's Surface Protection Solutions demonstrate its capability as a true end-to-end solution provider, offering innovative solutions from pit-to-port across the mining industry and many others.

For more information about how our solutions can benefit your plant, talk to one of our product specialists today.

From construction, ports and quarries to water treatment, food processing and more, REMA TIP TOP's Industrial Solutions are designed to reduce costs and improve the availability of its clients' assets.



// ONE BRAND // ONE SOURCE // ONE SYSTEM

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