

# PRESS RELEASE

## Tempo Mineral Processing offers DMS cyclone refurbishment service

*29 August 2018: With the mining industry under increasing pressure to cut costs and increase productivity, Tempo Mineral Processing offers a unique service whereby Dense Medium Separation (DMS) cyclones can be refurbished for even wear distribution and extended life.*

This allows for improved mass balance of DMS cyclones in terms of the separation or cut size, the flow split between the over- and underflow, the sharpness of the classification, and the capacity (pressure drop). This all translates into a dramatic increase in total efficiency, Tempo Mineral Processing Director **Thabisho Malatji** comments.

The lifecycle of a DMS cyclone can be extended significantly by the application of a reaction-bonded silicon carbide lining (RbSiC) lining on the spigot and lower cone portion in particular, with the lining pattern running against the material flow for minimum gaps and steps and optimal joint sealing between components.

“We offer our customers the lowest total cost of ownership by means of even wear distribution, in addition to continuous improvement of the actual cyclone lining,” Malatji highlights. Here the key measurements in performance monitoring are the sharpness of separation, the misplacement or rejection of product, and the separation point itself.

Tempo Mineral Processing also offers pneumatic conveying lined pipes for applications as diverse as pulverised fuel pipes for power stations, furnace feed pipes, and for pneumatic drier systems. Its hard-facing service provides for excellent strength, being welded directly onto a mild steel backing, in accordance with American Welding Society (AWS) standards and procedures. Hard-faced bolts, with galvanised Nyloc nuts and washers, are also available for specific applications.

Tempo Mineral Processing is not only 100% black-owned, but also has a Level 1 Broad-Based Black Economic Empowerment (B-BBEE) rating, which means it is ideally placed to undertake government infrastructure projects, as well as meet the specific criteria of mining houses.

With a 780 m<sup>2</sup> workshop, Tempo Mineral Processing is able to offer a full fabrication capability, with a SHEQ management system already in place and ISO 9001 certification on the cards. Together with wear-engineering solutions provider Rio-Carb, it is able to supply complete solutions for the mining and related industries.

**Ends**

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**Facebook:** <https://www.facebook.com/RioCarb/>

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### Notes to the Editor

To download hi-res images for this release, please <http://media.ngage.co.za> and click the Rio-Carb link to view the company's press office.

### About Rio-Carb

Rio-Carb manufactures wear-resistant Chromium Carbide (CrC) clad liner plates for heavy materials-handling applications in the mining and allied resources industries. With more than 30 years' experience, the company's long-life CrC liners have eight to ten times the wear life of industry-

standard 400 and 500 BHN steel materials, which reduces operational costs dramatically due to less downtime and change-outs. Rio-Carb has a deep-rooted history in mining, and is able to respond to customers' needs swiftly in providing cost-effective solutions.

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