Vibrating screens avoid premature wear of motors in mining applications
A digital system issues maintenance-oriented warnings before standard DCS alarms

SITUATION
Motors at mining site
Failure of automatic lubrication system can cause premature wear of bearings and motor life cycle shortage

SOLUTION
Dashboard, Asset Reporter and Faceplate details detecting
– Considerable torque amplitude variation between motors installed on first and second stage of the screen.
– Torque amplitude difference between motors of similar vibrating screens at the same operational condition
– Condition Monitoring System integrated to DCS

SUCCESS
Production, repair and spare parts savings
– Maintenance-oriented warnings before standard DCS alarms
– Extended asset life
– Prevented downtime

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SCOPE OF DELIVERY
– ABB Ability™ Asset Vista Condition Monitoring for mining

BENEFITS

<table>
<thead>
<tr>
<th>OPEX</th>
<th>Throughput/yield</th>
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<tbody>
<tr>
<td>$50k</td>
<td>$321k</td>
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