



INTERNATIONAL MINING



COLLISION AVOIDANCE

MINE POWER

PROCESS CONTROL

MAINTENANCE

**SOUTH AFRICAN
TECHNOLOGY**

FATIGUE MANAGEMENT





The CBGuard Life Extender provides all-in-one radiographic conveyor belt monitoring, continuous real-time analysis and reporting, and detection and live marking of all defects/damages associated with splice failures, among other things, the company says, with “every cubic millimetre of the conveyor belt analysed”

Germany-based **CBGuard** is on a mission to improve conveyor belt performance and monitoring through its CBGuard Life Extender.

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The radiographic monitoring avoids the need for visual inspections and temporary shutdowns of the conveyor system, with the CBGuard software able to inform about the severity of injuries and defects in real time. Examples of these are corrosion, holes, scratches, edge damage, delamination, protruding cords and stuck foreign objects.

Users can set customisable intervention points and alert levels depending on their operation specifics, while error messages and automatic notifications are sent to operators via SMS. The system can also be integrated into the IIoT infrastructure of mine sites.

“There is no other conveyor belt monitoring system on the market that comes close to what CBGuard offers,” the company claims.

A large copper mine in Peru has been using CBGuard Life Extender successfully for five years without belt failure, reducing the operation’s maintenance costs and improving uptime, CBGuard says. There are also several new CBGuard Life Extender operating in South

America, especially in Peru, Chile and Colombia. 