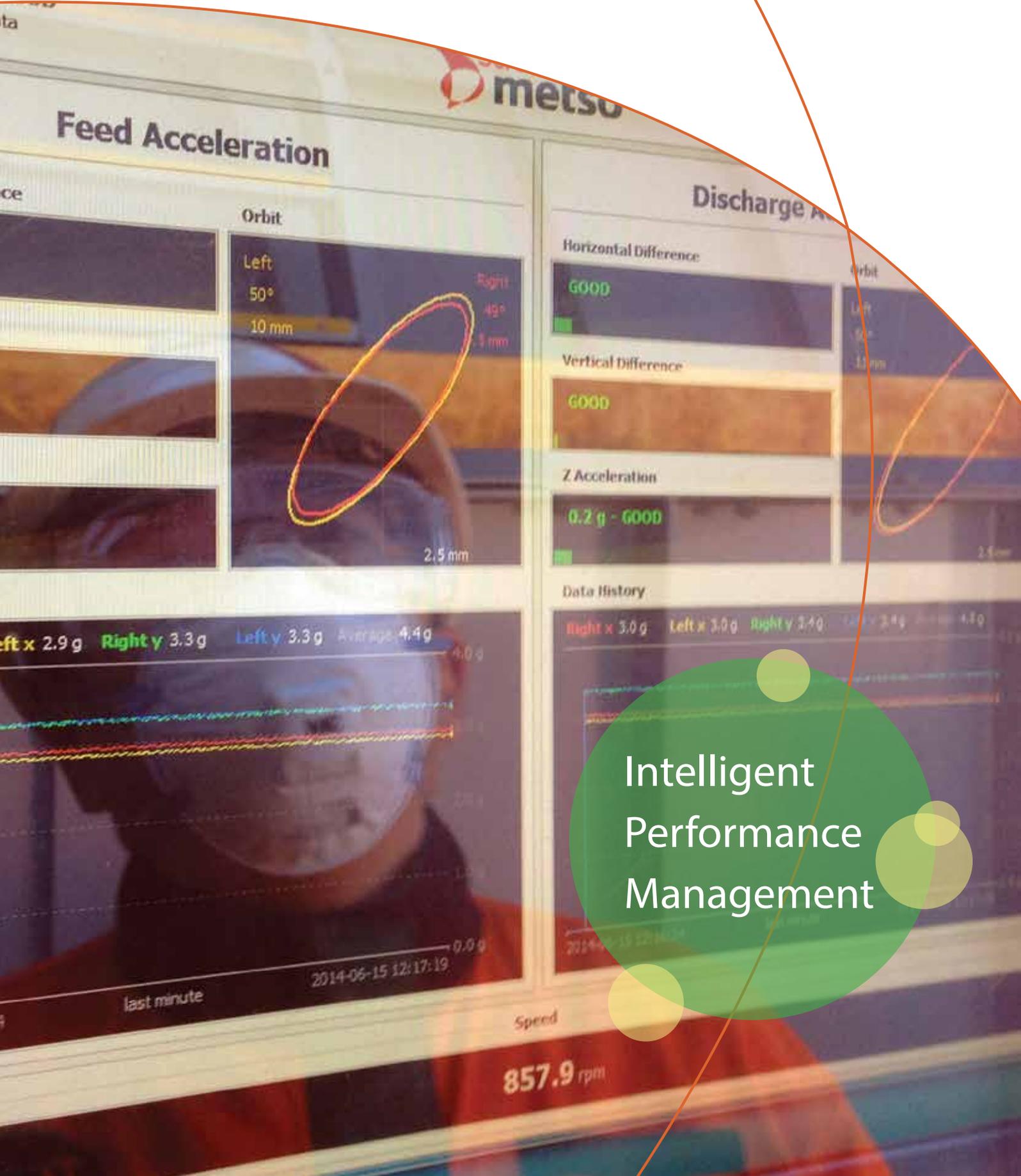


ScreenWatch®

Screen condition monitoring



Intelligent
Performance
Management



The Metso ScreenWatch® system

Enhancing screen availability

Intelligent monitoring is all about preventing issues that cause downtime – and cost you big. Now, with ScreenWatch, we can monitor screen condition more simply and effectively than ever before.

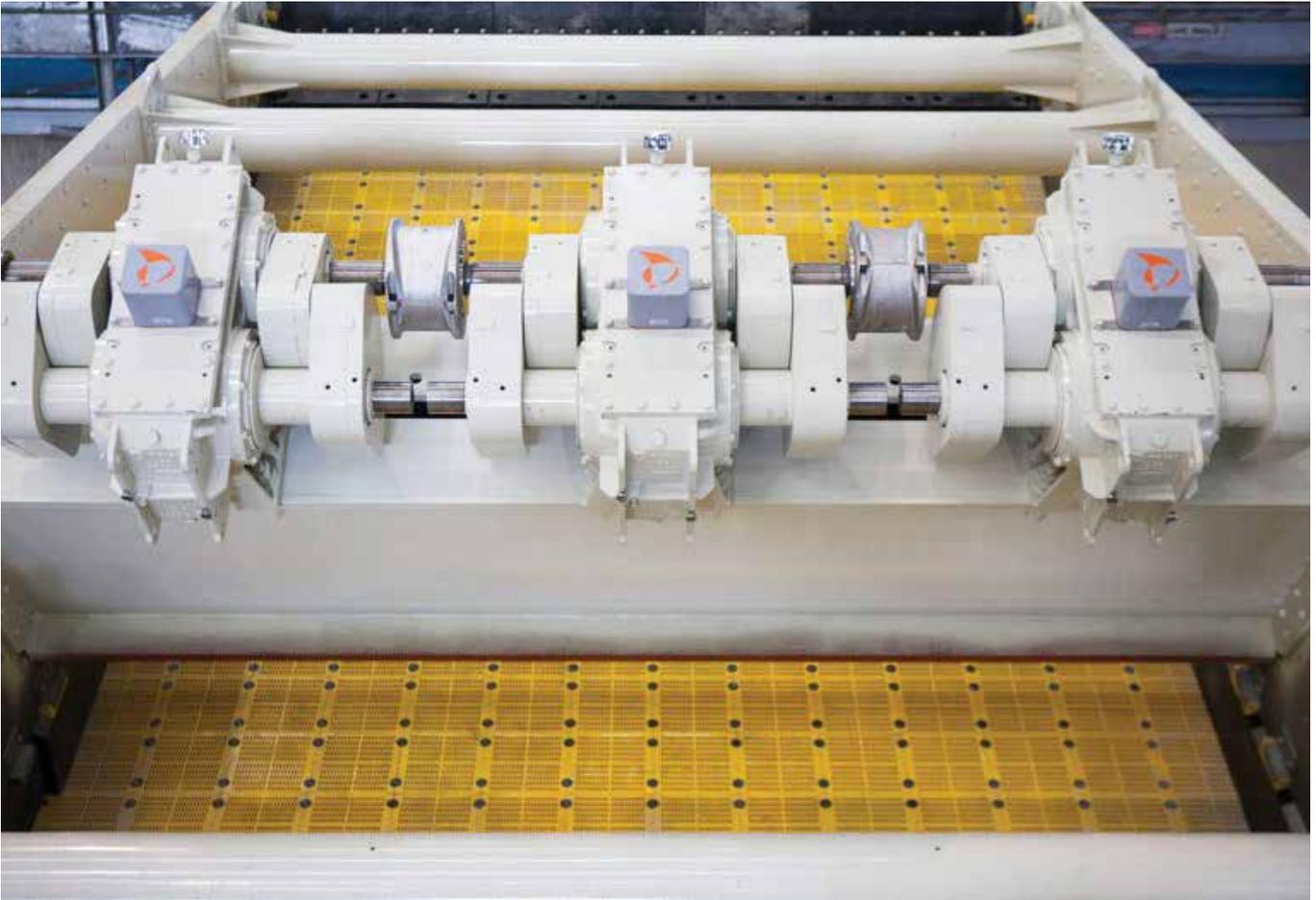
ScreenWatch enables operators, controllers and service professionals to see real-time analysis of vibrating screen performance and bearing condition. If there is a problem, the system alerts you immediately, so you can perform the necessary maintenance before a minor issue becomes a major expense.

Intelligent

A leap forward from traditional monitoring systems, ScreenWatch is designed for intuitive operation. The integrated system delivers complete diagnostics, alarms, and history at a glance. Modular sensors are wireless, self-powered and easy to use. All components are engineered to IP66 in order to deliver unmatched reliability and lifespan, even in the toughest mining environments.



ScreenWatch alerts you when there is a problem related to the screen's health, so minor issues can be addressed before they cause significant maintenance and downtime.



ScreenWatch monitors housing temperature and bearing wear in order to warn you of any potential bearing problems.

Effective

Using wireless technology, the sensors continually broadcast screen motion and bearing data to the nearby receiver. From there, the data is transmitted to the operator interface.

Proven on-board software analyses and compares the data with the ideal range of operating parameters. Operators see easy-to-understand warnings and real-time updates on the screen's overall health.

Through continuous monitoring and analysis of the screen's vibration, ScreenWatch alerts operators to improper motion caused by the following events:

- Flapping media
- Uneven feed
- Broken springs
- Natural frequency
- Insufficient structural support
- Improper counterweight settings
- Structural interference
- Excessive material build-up
- Incorrect run speed
- Worn bearings

Wireless

Typical vibration monitoring sensors break often, require regular maintenance, and have a short lifespan. Metso's patent-pending, self-powered sensor modules allow the system to run without any batteries or wires – requiring no site maintenance and extending the life of the system.



Wireless, self-powered sensors (patent pending) provide continuous monitoring and real-time analysis.



More uptime and screening efficiency help to perfect your overall process.

Scalable

ScreenWatch is fully scalable: It can be used with any Metso screen. One operator interface unit can monitor up to four screens at the same time. Additionally, the interface unit can output system health data over a single standard connection. A variety of communication protocols are available for integration with your site's control system.

Think of ScreenWatch as a 24/7 guardian for your screen: It's an integral part of preventing structural fatigue and extending its lifespan. More importantly, it optimizes screen performance to help perfect your overall process.



System dashboard makes up to four screen conditions understandable at a glance.



ScreenWatch® continuous monitoring system: Protecting the operational integrity of Metso's entire Opti-Flo® range.



Metso, engineering customer success...

ScreenWatch, by Metso, for Metso vibrating equipment, improving your process and protecting your equipment.

