

# BULK TERMINALS

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THE OFFICIAL MAGAZINE OF THE ASSOCIATION OF BULK TERMINAL OPERATORS

## GRAINS OF TRUTH

Positive prospects ahead for a growing global market

## ON A ROLL

Conveyor belt safety comes to the fore

## REMOTE CONTROL

New ways of working — at a distance

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ASSOCIATION OF BULK  
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# KEEPING TRACK OF CONVEYOR BELT CLEANERS

## COMPANY NEWS

**LESS DOWNTIME  
IS MORE UPTIME**

with CleanScape® Belt Cleaner

Less Blade Replacements / More Blade Life

Less Maintenance / More Performance

Less Concern / More Confidence



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Continuing its leadership in the development and implementation of advanced technologies for conveyors and other bulk material handling applications, Martin Engineering has announced a conveyor belt cleaner position indicator that monitors the blade, tracking and reporting remaining service life.

The intuitive Martin N2® Position Indicator (PI) monitors primary belt cleaner blades, notifying Martin service technicians and plant operations personnel when re-tensioning or replacement is required and/or when abnormal conditions occur. The PI can be part of a new installation or directly retrofitted to existing mainframes that use the company's replacement blades. Managers and service technicians can quickly access information on any networked cleaner via mobile phone.

With approximately 1,000 operating systems currently in service and installations continuing daily, the technology has been embraced by bulk material handlers in a wide range of industries and applications. Martin offers the equipment, monitoring service and batteries free of charge to qualifying customers. The company will also support the PI components and provide customer alerts without cost as needed, with mainframes and tensioners replaced free for users of Martin belt cleaner blades.

"There are no annual maintenance fees and no add-on charges for cell phone access," confirms Martin Engineering global marketing director Brad Pronschinske.

Position indicators can be mounted anywhere from 3-800m from the cellular gateway and the robust, sealed construction means it is virtually immune to damage. Up to 50 units can be monitored by a single gateway connecting to the internet, usually located at the highest point in the plant, where the cell signal is strongest. The system does not require a cellular line for each PI, instead communicating via radio frequency from each sensor to the gateway.

Operating independently of any plant communications infrastructure, the small physical size and low power requirements deliver a projected battery life of two years. The self-contained model was developed by Martin in order to minimise the dependency on in-plant resources. Only the gateway requires a constant 110V power point.

The device eliminates the need for manual inspections by giving technicians precise information, delivering critical real-time intelligence and reducing exposure to moving conveyors, improving both efficiency and safety. Maintenance planning is simplified by having detailed information available on demand, allowing service personnel to deliver and install replacement wear parts during scheduled outages. The result is an improved return on belt cleaner investments.

**For more information, visit:**  
**[martin-eng.com](http://martin-eng.com)**

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