



Product News

ABB: Smart Sensor Technology for Bearings prevents unexpected Downtime

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This helps to prevent downtime on applications such as

bulk material handling conveyors typically found in the mining, aggregate and cement industries, as well as applications in the food and beverage and air handling sectors. ABB Ability Smart Sensor for mounted bearings use the latest algorithms to assess, manage and ensure performance of components. Eighty percent of bearing failures are lubrication related and a bearing “running hot” can indicate that proper lubrication procedures are not in place. Monitoring a bearing’s vibration can indicate potential system problems. The smart sensor easily mounts to the bearing and communicates wirelessly via a smartphones or other device. This capability keeps employees safe, enabling easy access to the health data of bearings in locations that may be difficult or dangerous to reach. “Bearings are critical components in conveyor systems and are often the first indicator of a system problem,” says Artur Rdzanek, product manager for

sensor technologies, Dodge mechanical products at ABB. “The display of the health status of the bearing enables operators to quickly and safely identify a potential problem, which allows them to schedule maintenance and prevent unplanned downtime.”