

ASSET PERFORMANCE MANAGEMENT: Data Is the Difference

Asset Performance Management, or APM, helps asset-centric industrial companies reach breakthrough levels of performance with their assets by increasing availability, decreasing costs, and reducing operational risks. APM integrates the technologies of connectivity, data capture, integration, visualization, and analytics to support asset lifecycle management, remote monitoring, condition-based and predictive maintenance, and real-time operator intelligence.



GETTING TO NO UNPLANNED DOWNTIME

Unplanned downtime is costly. A single data center outage can cost \$7,900/minute. A nine-day power outage in Queens, NY, cost local businesses \$111 million in damages. In IT, much like in any other sector, 99.999% of uptime is the ultimate goal. What if unplanned downtime was just a memory?

GREATER PRODUCTIVITY

In a world of no unplanned downtime, machines would be interconnected, constantly exchanging information about one another's status. Thus, each machine would function almost optimally, sending alerts to predict when replacement or repair will be needed. The result: improved productivity.



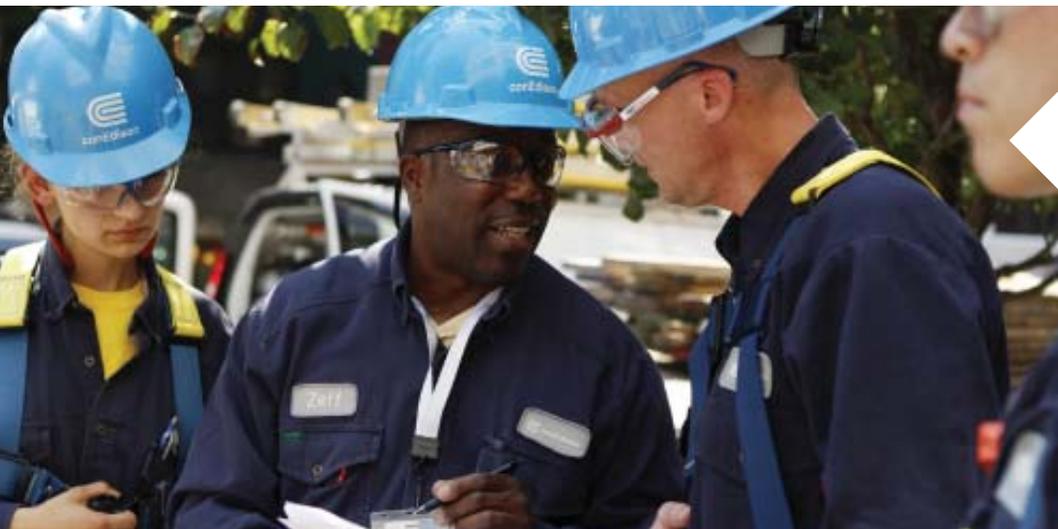


NO MORE WAITING

In healthcare, real-time communication between machines would facilitate an improved patient experience and throughput. The Aventura Medical Center in Florida, for example, has employed Industrial Internet solutions to cut ER wait times by 68% in just nine months.

EARLY WARNINGS

With machines giving early notice of problems, engineers will use data to craft better interventions to blunt or forestall crises. Risk management will orient more towards early warning systems, although “black-swan” risks would still require what-if strategies to be in place.



POWERFUL OUTCOMES

Power outages cost \$80 billion in the US alone. Each year, 700 people die from heat waves in the US—a number that could rise to 5,000 by 2050, according to the CDC. Reducing unplanned downtime in the electricity sector would not only increase productivity, it could also save lives.

APM UNLOCKS COMPETITIVE ADVANTAGE

Learn how GE combines industrial domain expertise, cutting-edge technology, and advanced analytics to help your business get the right information to the right people at the right time. Go to: [GESoftware.com/solutions](https://www.gesoftware.com/solutions).

Adapted from a story first published on [GE Look Ahead](#).