ABB IoTSP voiced report script

Fort Smith, AR / San Jose, CA, USA, March 2016

SOURCE: ABB

This factory in Arkansas runs 24 hours a day, 365 days a year.

Any downtime has a serious effect on productivity and profitability – which means keeping all this equipment maintained is a crucial job.

Especially when it comes to the more than 1500 motors which drive almost every piece of machinery in here.

Now they have a cutting-edge solution.

A new smart sensor from ABB will allow information from all these motors to be fed into the cloud – keeping track of how well they're performing, and when they need to be serviced.

SOUNDBITE, Wes Warden, Maintenance Manager, Baldor Electric (English, 30 sec):
"The sensors will check for general runtime – how long is the motor running, is it overheating, what's the temperature of the motor. // You can walk around with your iPhone or computer and collect the information, take that data over a month's time and start predictive maintenance. // On a campus this size, it's a big deal. It's a time-saver. We can predict stuff that's going to happen before our six-month or annual PM and catch it early."

But this isn't just about performing maintenance. These sensors bring motors forward into the information age, turning them from simple drives into an integrated part of a data-rich "smart factory".

It's part of a general trend towards what ABB calls the Internet of Things, Services and People – a rapid expansion of data and interconnectivity, which many analysts say is driving a new industrial revolution.

SOUNDBITE, John Yelland, Vice President Marketing, ABB Wireless (English, 31 sec):
"What's new now? Well it's two things really – it's technology enabling scale. // If we look at the Internet of Things, industry analysts like Gartner are telling us that by 2020, 25 billion devices will be connected to the Internet of things – other pundits are saying it could be as high as 50 billion. // This in turn means a massive increase in the amount of data that needs to be collected from all those devices, fed into the data centre for the big data, and analytics to take place."

For ABB, this is the coming-together of technology from across their entire range of expertise.

While smart sensors and advanced robotics find their place on factory floors, here in Silicon Valley researchers work on the wireless technology and big-data analytics software that is making the Fourth Industrial Revolution a reality.

SOUNDBITE, Greg Scheu, President of Americas region, ABB (English, 24 sec):
"As we look into the future, we see a much more connected world, where our technology, our solutions, our devices that are used in the grid, or in factories, or even in the home, are all connected together through the ubiquitous approach of data and connectivity. With that, we believe we can run the world more efficiently using less energy and more interoperability."

Industry analysts and business leaders are now convinced that technological advances have put us on the brink of a huge step forward that could fundamentally change how we live, work, and interact.

ABB is determined to make sure that the technology driving these changes brings lower environmental impact, greater efficiency, and a more harmonious and fulfilling connected world for all of us.

In keeping with their mission statement of power and productivity...for a better world.

SHOTLIST

00:00-00:23	GVs of factory floor, Baldor Electric motors factory, Fort Smith, AR
00:23-00:39	CUs of ABB smart sensor attached to factory motor
00:39-01:06	SOUNDBITE, Wesley Warden, incl. GVs of app on mobile phone
01:06-01:11	CU fitting smart sensor to motor
01:11-01:20	GVs factory floor
01:20-01:39	GFX animation Internet of Things, Services and People
01:39-01:54	SOUNDBITE John Yelland
01:54-02:05	GVs researchers and electrical engineers working at ABB Orchard Drive, Silicon Valley
02:05-02:11	EXT WIDE of ABB Orchard Drive
02:11-02:27	GVs researchers at ABB Orchard Drive
02:27-02:49	SOUNDBITE Greg Scheu
02:49-03:12	FILE GVs Robotics workshop with YuMi robot
03:12-03:19	FILE GVs modern cityscape

ABB (www.abb.com) is a leading global technology company in power and automation that enables utility, industry, and transport & infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 135,000 people. ABB has been active in India for more than a century and employs more than 9,000 people at 12 manufacturing locations and 22 sales and branch offices across the country.

More information

http://www.abb.com/about/technology/iotsp

For more information please contact:

Media Relations	ABB Ltd
Antonio Ligi, Sandra Wiesner	Affolternstrasse 44
Tel: +41 43 317 7111	8050 Zurich
media.relations@ch.abb.com	Switzerland