

# HANNOVER MESSE Guided Tours 2016

## The Theme Tours

### Tour 1 – Industrial Automation & IT

What does it take to make production both resource-efficient and flexible? What do manufacturers need in order to respond swiftly to changing market conditions and growing customer demand for product individualization? The answer is automation. To be part of the digital age and stay competitive, manufacturers need to invest in the latest automation technology. This tour focuses on advanced factory technology and associated software solutions. It highlights the importance of seamless data flows, from the initial product idea and the associated planning and engineering processes, right through to production and after-sales service. It is your opportunity to present your latest IT and industrial automation solutions and show visitors how your robotics and automation technology can make their factories more efficient.

### Tour 2 - Industry 4.0

Smart Factory, Virtual Reality, Internet of Things – no mere futurist musings, these revolutionary concepts are now integral to modern industry. The digital integration of all industrial processes has moved from vision to reality, and the fourth industrial revolution is in full swing. This tour is for exhibitors with real technology solutions for integrated industry. It is your chance to showcase your solutions for programming products with their own blueprints, for enabling machines to communicate with one another via sensors, and for building smart, flexible factories capable of individualized mass production.

### Tour 3 – Predictive Maintenance 4.0

Predictive maintenance (PdM) is an industrial Internet of Things technology that is steadily growing in importance as a driver of value in modern manufacturing. The Internet of Things is about interconnectedness – the digital integration of machines, products, components and up- and downstream systems. Predictive maintenance is a cost-saving improvement on conventional maintenance strategies, not to mention a pivotal part of the Industry 4.0 landscape. Has your company already implemented a predictive maintenance system? If so, then you should exhibit at our new Predictive Maintenance 4.0 display and leverage this tour to put your ideas, applications and solutions front of mind with trade visitors.

### Tour 4 - Process Automation

Process automation confers benefits on companies from a whole range of industries, including the chemicals, oil and gas, pharmaceuticals, food and metal industries. This tour is an opportunity for exhibitors to demonstrate how process control systems, measurement and control technology, instrumentation products and solutions and systems for automating and optimizing industrial processes can boost plant productivity while at the same time conserving energy. Perhaps you offer intelligent sensor systems for measuring gas and dust emissions or tracking fluid levels in manufacturing processes? Or innovative smart measuring and control solutions that can boost production efficiency? Whatever your process automation solution, this tour is your chance to pitch it to a quality trade audience.

### Tour 5 – Integrated Energy – Discover Solutions

Transitioning the world to sustainable, intelligently networked energy systems requires new technologies and solutions for energy generation, storage, transmission and distribution. This tour is all about smart grids, virtual power plants and renewables. Be part of it and showcase your ideas, technologies and solutions for building an energy market that delivers a sustainable, reliable and competitively priced energy supply.

### Tour 6 – Innovations for the Mechanical and Plant Engineering Industry

The mechanical engineering industry has a very strong research and innovation focus. Consequently, it is increasingly investing in smart, efficient and sustainable technologies. Lightweight solutions are a key part of this. The Innovations for the Mechanical and Plant Engineering Industry tour will provide its participants with an overview of the wide array of innovative solutions for the mechanical engineering industry on display at HANNOVER MESSE. Its exhibitors will present everything from intelligent, high-efficiency energy and automation solutions, to subcontracting and lightweight solutions and measurement and control technology, right through to condition monitoring systems. It is your chance to shine as an innovation partner for the mechanical engineering industry.