

# Hotspot for global industry.

## Integrated Industry – Creating Value

The lead theme of HANNOVER MESSE 2017 conveys a clear message: the trial phase is over and integrated industry has begun to pay dividends. What value-added benefits are available to your company? How can cobots, digital twins and predictive maintenance be deployed profitably? Answers to these questions can be found at HANNOVER MESSE 2017 (24 to 28 April), which unites all the core areas of industry – R&D, Automation and IT, Industrial Supply, Production Technology and Services as well as Energy and Mobility Technology.

## Industrie 4.0

With over 500 concrete examples of Industrie 4.0, HANNOVER MESSE shows how quickly factories are going digital. In 2017, the huge potential of Industrie 4.0 will be even easier to grasp: visitors can expect a vast number of actual “use and business cases”. In addition, more than 30 international events relating to Industrie 4.0 will take place in Hannover.

## Integrated Energy

HANNOVER MESSE is the global hotspot for the energy sector. “Energy” is the only trade fair worldwide that gets to grips with all the key issues: from power generation, transmission and storage to smart distribution, mobility and digital energy management in business enterprises. In short, a genuine powerhouse!



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# Visitor Guide

#HM17

24 – 28 April 2017  
Hannover • Germany  
[hannovermesse.com](http://hannovermesse.com)



# Smart formats for special interests.

## ■ Integrated Energy Plaza, Hall 27

This showroom incl. interactive showcases at the centre of Hall 27 illustrates the entire integrated energy infrastructure – i.e. generation, distribution, storage and application.

## ■ Red Carpet Route Automation & IT, Halls 6–17

Our red carpet will guide you past many of the innovations at HANNOVER MESSE. Simply follow the red carpet.

## ■ Predictive Maintenance, Hall 19

Today's intelligent systems recognize faults in a production plant before they become apparent. Predictive Maintenance can lead to enormous cost-savings and open the way to new business models.

## ■ CeMAT@HANNOVER MESSE, Pavilion 32

Logistics 4.0 meets Industrie 4.0. Get together with CeMAT exhibitors and visit the forum to find out more about current production and logistics topics.

## ■ Global Business & Markets, Hall 3

Featuring a conference program and an INVESTMENT LOUNGE, this foreign trade platform focuses on export and investment opportunities.

## ■ Young Tech Enterprises, Hall 3

At this hub in Hall 3 you'll meet creative visionaries and encounter innovative, trend-setting industry startups, spin-offs and young enterprises. The ideal place to share your ideas and visions.

## ■ job and career, Hall 16

Here you can meet senior HR managers and explore the options for developing your career. Information about vacancies and career paths will be posted on a multimedia Job Wall.

## ■ Tec2You, pavilions adjacent to Hall 11

In the course of this organized program young persons will experience at first hand the wide-ranging career opportunities available in science and technology.

## ■ WoMenPower careers conference, Convention Center

Extend your knowledge and make valuable new contacts: at the 14th WoMenPower careers conference on 28 April 2017.

## ■ Forum Industrie 4.0 meets the Industrial Internet, Hall 8

Simultaneous translations IoT, CPS, security, industrial apps, human and industrial work 4.0.

## ■ SurfaceTechnology Area, Hall 6

In Hall 6 at HANNOVER MESSE 2017, industrial surface technologies now have an exciting new, dedicated platform. The leading trade fair SurfaceTechnology will be staged here every two years as part of Industrial Supply under the new name SurfaceTechnology Area. The new event will cover the complete value-adding chain for surface treatment and finishing – from pre-treatment, coating and post-treatment to the end product.

## ■ Forum Industrial Supply, Hall 5

In 2017 the global hotspot of the supply industry will feature a specialist forum for innovative supply solutions. The previous three stages will be replaced by the Industrial Supply Forum in Hall 5.

## ■ Highlights@Industrial Supply, Halls 4–6

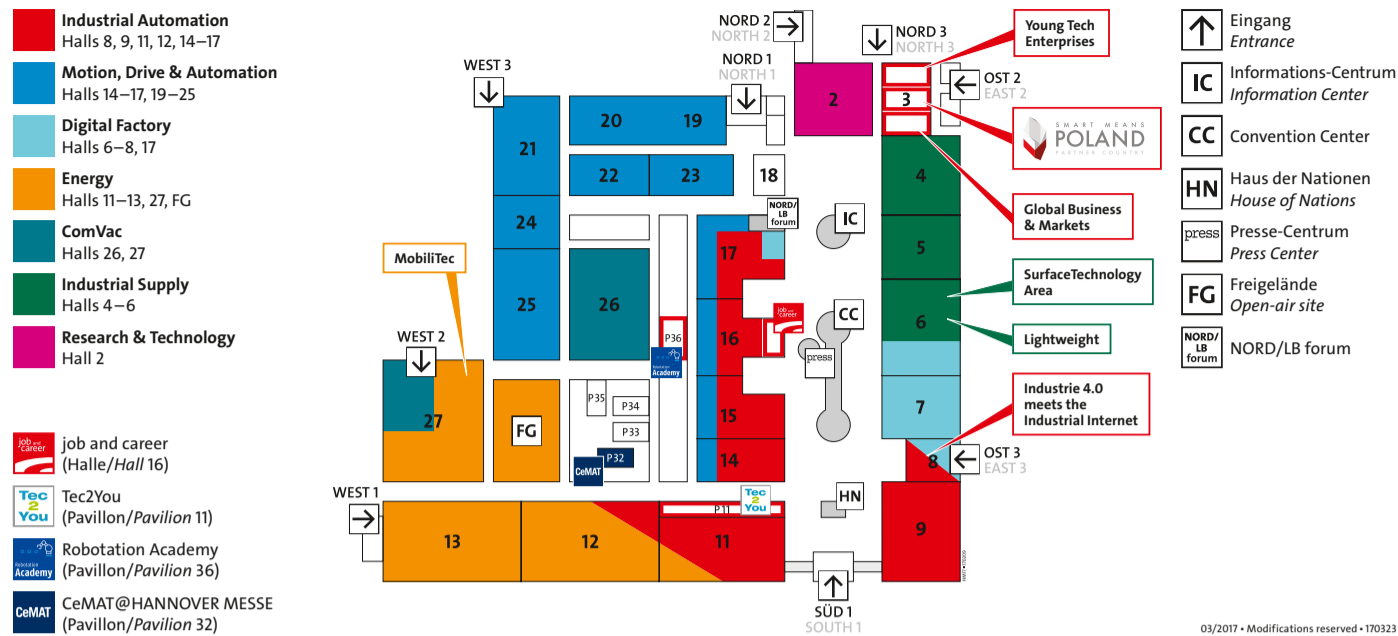
Given the huge number of innovations showcased annually at HANNOVER MESSE, it is impossible for visitors to see everything on display. This is especially true of the industrial subcontracting sector. Industrial Supply has therefore a new idea: Highlights@Industrial Supply. Professional visitors can now see the most outstanding solutions in Halls 4–6.



HANNOVER MESSE App  
available free of charge



# HANNOVER MESSE 2017 at a glance.



## MDA – Motion, Drive & Automation

- Fluid power (hydraulics, pneumatics, seals and filtration systems) (Halls 19, 20, 21, 23)
- Roller bearing and ball bearing systems (Halls 22, 24)
- Mechanical power transmission, clutches, gears and components (Halls 24, 25)
- Electric power transmission (Halls 14-17)
- Power transmission and applications for wind energy (Halls 24, 25)

### Highlights, special displays, events

- MDA Forum (Hall 19)
- Predictive Maintenance 4.0 (Hall 19)

## Industrial Supply



- Forging (Hall 4)
- Sheet metal forming (Hall 4)
- Machined components (Hall 4)
- Systems/subassemblies (Hall 4)
- Casting products (Hall 5)
- Latches & Locking Systems (Hall 5)
- Operating elements (Hall 5)
- Fastening technology (Hall 5)
- Materials know-how (Hall 6)
- Parts and components made of (Hall 6):
  - Metals
  - Plastics
  - Composite materials
  - Natural/synthetic rubber
  - Engineering Ceramics
- Joining/adhesive technology (Hall 6)
- Manufacturing technology (Hall 6)
- Lightweight construction (Hall 6)

### Highlights, special displays, events

- Highlights@Industrial Supply (Halls 4-6) **New**
- Forum Industrial Supply (Hall 5) **New**
- Themed presentations
  - Forging (Hall 4)
  - Innovative Development Partners (Hall 4)
  - “gegossene Technik” (Hall 5)
  - Engineering Ceramics (Hall 6)
  - WeP – Value-Adding Partner ContiTech (Hall 6)
  - Micro-Nano Area (Hall 6)
  - SurfaceTechnology Area (Hall 6) **New**

## Industrial Automation



### Production automation (Halls 16, 17)

- Robotics and systems integration
- Mobile robots + AGVs
- Assembly and handling solutions
- Image processing
- Lasers
- Identification
- Mechanical and plant engineering
- Production logistics & handling equipment
- Linear motors
- Conductors and energy carriers

### Production and process automation (Halls 14, 15)

- Electric power transmission/Motion control
- Pneumatic systems
- Pumps and pump systems
- Vibration measuring systems

### Process and energy automation (Hall 11)

- Solutions for automation and energy engineering
- Process automation solutions
- Process control systems
- Measurement and control systems
- Process analysis technology
- Connection/interface technology
- Building automation
- Engineering, maintenance, services

### Automation Technology & IT (Halls 8, 9)

- Industrie 4.0/Industrial Internet
- Industrial IT
- Virtual reality
- Product and trademark protection
- Wireless, M2M & Internet of Things
- IT security
- Cyber physical systems
- Control systems
- IPCs/PLC
- Industrial communication
- Sensor technology, measurement and control technology
- Image-processing sensors
- Security technology
- Connection/interface technology

### Highlights, special displays, events

- Forum Industrie 4.0 meets the Industrial Internet (Hall 8)
- Industrial and Embedded Security (Hall 8)
- Industrial IT (Hall 8)
- Product and Brand Protection (Hall 8)
- Smart Connected (Hall 8)
- SmartFactory<sup>KL</sup> (Hall 8)
- AMA Center (Hall 11) **New**
- Modular Production (Hall 11)
- Industrial Automation Forum (Hall 14)
- Pumpe DE PUMP PLAZA (Hall 15)
- Red Carpet Route – Automation & IT (Halls 6-17)
- Application Park Robotics, Automation & Vision (Hall 17)
- ROBOTICS AWARD, 25.4.2017, 3.30 p.m. (Hall 14)
- Robotation Academy (Pavilion 36)

## Digital Factory

- Virtual product development (CAx)
- Additive manufacturing
- Product lifecycle management (PLM)
- Process integration
- Visualization
- Supply Chain Management (SCM)
- Technical sales and service
- Virtual commissioning, offline programming and installation
- Enterprise resource planning ERP (production planning)
- Manufacturing execution systems MES (production control)

### Highlights, special displays, events

- Additive Manufacturing Symposium 27-28.4.2017 (Convention Center)
- CAE Forum (Hall 6)
- MES Conference on 27.4.2017 (Convention Center)

## Energy



### New Energy World (Hall 27)

- Renewable energy
- Smart grids and virtual power plants
- Industrial power, heat and refrigeration
- Mobility and storage solutions
- Energy efficiency and energy services

### Grid Technology (Hall 13)

- Transmission and distribution grid technology
- Transformers
- Switchgear
- Cables, cable processing
- Power supplies, UPS
- Condensers, filters

### Energy Management (Hall 12)

- Energy management in the industrial environment
- Building automation
- Measuring and testing equipment
- Switches
- Housings

### Highlights, special displays, events

- Energy Forum Life Needs Power (Hall 13)
- SuperConductingCity (Hall 13)
- Decentralized Energy Supply (Hall 27)
- EnergyEfficiencyCenter forum (Hall 27)
- Group Exhibit Hydrogen + Fuel Cells + Batteries (Hall 27)
- Integrated Energy Plaza (Hall 27)
- MobiliTec Area (incl. pavilion and forum, Hall 27)
- Energy Park (Open-air site)
- MobiliTec Test Track (Open-air site)
- Digital Energy (Hall 12) **New**

## ComVac

- Compressed air generation, treatment, storage and distribution
- Compressors, compressor accessories and components
- Vacuum pumps
- Vacuum fittings/seals/valves
- Plant and components
- Consulting
- Contracting
- Filters

## Research & Technology

- Applications research:
  - industry-specific (energy, automation, mobility, etc.)
  - non-industry-specific (adaptronics, bionics, new materials, etc.)
- Innovative trends in basic research
- Services for R&D
- Marketing of technologies, research locations and institutions
- Technology and know-how transfer:
  - technology push – problems in search of solutions
  - market pull – solutions in search of problems

### Highlights, special displays, events

- Forum tech transfer
- Presentation of the top 5 nominees for the HERMES AWARD
- SCIENCE|SQUARE (forum, presentations)
- Night of Innovations, 24.4.2017, 5.15 p.m.