

HANNOVER MESSE

**#climatechange**  
**ENERGY SOLUTIONS.**

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HOME OF INDUSTRIAL PIONEERS



# KEYNOTE THEME: INDUSTRIAL TRANSFORMATION

- Digitalization, individualization, climate protection and demographic change are key factors in industrial transformation.
- Energy supply is changing fast and fundamentally:
  - New services and business models are emerging.
  - New topics and aspects of increasing importance.
- Industrial customers are looking for products, tools, components, solutions and external partners that will enable them to maintain competitiveness in a changing market environment.
- Renewable solutions are more than ever the backbone of the industry and a crucial part of the industrial transformation.

# THE INDUSTRY SECTOR IS MASSIVELY TRANSFORMING. AS WELL AS THE ENERGY SECTOR.

SUSTAINABLE CLIMATE  
NEUTRALITY ONE OF THE  
BIGGEST CHALLENGES SOCIETY IS  
FACING

CONCERTED ACTION IN MANY  
DIFFERENT TOPICS NECESSARY IN  
ORDER TO MAKE AN IMPACT

IMPLEMENTATION OF RENEWABLE  
ENERGY AND ACCORDING  
TECHNOLOGIES IN INDUSTRIAL  
CONTEXT OFFERS SAVINGS  
POTENTIAL

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# Industrial Transformation needs renewable energy.

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# ENERGY SOLUTIONS FOR INDUSTRY

## CLIMATE NEUTRALITY IN INDUSTRY NEW

- Decarbonization of industrial processes = key to achieve climate protection goals
- Industrial sector second largest source of greenhouse gas emissions in Germany after energy generation
- Relevance underlined by several
  - **National climate protection plans**  
(e.g. German climate protection plan 2050; Portuguese National Adaptation Plan (NAP) for Climate Change; National Hydrogen Roadmaps)
  - **European activities**  
(e.g. EU - Green Deal and National Energy and Climate (ENCP) Plan )

## INFRASTRUCTURE NEW

- Emobility and Electric Vehicle Indrasructure
- Effects on the energy network
- Hydrogen
- Energy in production and buildings

## ENERGY AS PART OF THE PRODUCTION PROCESS NEW

- Energieefficiency
- Energy automation
- Digital Energy
- Hydrogen in production

# ENERGY SOLUTIONS

Climate neutrality and the efficient use of energy are key requirements for industry. Therefore it needs energy-saving and low-emission solutions in order to operate climate-neutral plants and to reduce emissions sustainably.

The Energy Solutions Community shows integrable energy solutions from the construction of the infrastructure to the practical implementation in the production process

## FOCUS POINTS

### CLIMATE NEUTRALITY IN INDUSTRY

- The CO2 neutral factory - ways to reconcile economy and sustainability
- Energy management - with a systematic approach for more efficiency and emission reduction

### INFRASTRUCTURE

- Hydrogen - industrial engine of the future
- EMobility - quarters and fleets
- Energy networks - stability, availability and security

### ENERGY AS PART OF THE PRODUCTION PROCESS

- Energy data management / energy automation – easy access to digitization
- Increasing energy efficiency - reducing costs
- Hydrogen in production - replacement of fossil fuels in energy-intensive industries

## FURTHER PROGRAMME

### DURING HANNOVER MESSE

- Integrated Energy Forum
- Hydrogen + Fuel Cells EUROPE
- DIGITAL ENERGY Joint pavillion & Forum

### APART from HANNOVER MESSE

- Setting up a specialized Hydrogen event

Above all there is a holistic demand: How can the interaction of different technologies in one system contribute to climate neutrality?

You can find all of this at HANNOVER MESSE - the home of industrial energy solutions.



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# PARTICIPATION OPTIONS PORTUGAL.

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# PORTUGAL – HOME OF RENEWABLE SOLUTIONS

- Goal = Positioning Portugal and portugese companies as solution provider and strengthen international visibility
- Implementation in content related formats and for high level discussions as well as presenting according actions and projects

## During HANNOVER MESSE

### Exhibiting

- Strong positioning for companies in mentioned fields
- Different participation options (live on-site; hybrid; digital)

### Content

- Participation in high-end panels (tbd)
- Implementatifon of according conferencesd in Portugal as part of HANNOVER MESSE programm (e.g. via Livestream)

## During course of the year

- Implementing conjointly new formats and participation options
- Based on Portuglas EU council presidency further events

## New Hydrogen event 2021

- Setting up international hydrogen event for the international community
- Participating of portuguese companies





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**ENERGY MAKES A  
DIFFERENCE.**

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**BMW**



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