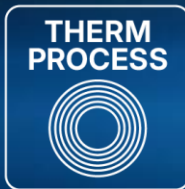


The Bright World of Metals

2027 21–25 June
Düsseldorf / Germany



EXPLORE THE POWER OF FOUR.



M
Messe
Düsseldorf

Explore the Power of Four

Where the future of the metal industry is forged

More than a trade fair quartet, The Bright World of Metals unites four world-leading events into one integrated platform, making the entire metal value chain visible – from materials and production to processes and final applications.

One industry. One ecosystem.

- Four world-leading trade fairs
- Connecting the complete value chain
- Transforming a complex and interconnected industry into a tangible experience for exhibitors, visitors, and partners.



One industry. Four perspectives.



The Future of Foundry
Technology



The Energy of
Metallurgical Innovation



The Heat that
drives Change



The Home of
Castings



Agenda

From
pressure to
transformation

01

One industry,
one global
platform

02

The topics
shaping
tomorrow's
industry

03

Where the
global
industry
meets

04

EXPLORE THE POWER OF FOUR.



From pressure to transformation

How the metal industry is reshaping itself



EXPLORE THE POWER OF FOUR.



Embracing Change

The transformation of the global metal industry

The metal industry is undergoing fundamental change. Rising energy costs, increasing sustainability requirements, and complex global supply chains are reshaping how metals are produced, processed, and used worldwide.

A changing industry landscape

- **New challenges, new priorities:** Energy efficiency, sustainability, and resilient supply chains are becoming key drivers for industrial transformation.
- **Growing demand for metals:** Infrastructure, mobility, and emerging technologies continue to create long-term demand for metal-based solutions.
- **Transformation creates opportunities:** The industry is accelerating innovation in metallurgical technologies, advanced materials, and industrial processes.

Leading the way with Resilience and Innovation

A new industrial reality

Geopolitical shifts, changing supply chains, and evolving energy systems are reshaping industrial strategies worldwide.

- **Resilience becomes a key priority:** Companies must balance efficiency with the ability to adapt to global uncertainties.
- **New challenges drive change:** Rising energy costs, regulatory complexity, and demand for lower emissions increase transformation pressure.
- **Technology enables the future:** Industrial innovation creates opportunities for more sustainable and competitive production.



**Industrial
Resilience**



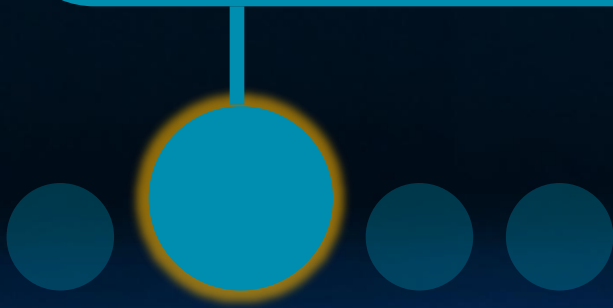
**Sustainable
Solutions**



**Data-Driven
Competitiveness**

One industry, one global platform

How the world's leading trade fairs unites the value chain



EXPLORE THE POWER OF FOUR.



Where the Global Metal Industry connects

The Bright World of Metals brings together the entire value chain and connects technologies, processes, and applications across the global metal industry. By linking production, energy, and application, it transforms a traditional value chain into a dynamic ecosystem for innovation and exchange.



Global Leadership

Each fair is the benchmark in its field.

**78,000+ Visitors from
114 Countries**



From Value Chain to Ecosystem

Connecting production, energy and application.

2,100+ Exhibitors



From Meeting Point to Marketplace

Düsseldorf as the central hub for global exchange.

76% Internationality



The Future of Foundry Technology

From diverse casting technologies to advanced materials

For decades, GIFA has been the global benchmark for foundry technology, casting equipment, and machinery. As the leading international meeting point for the foundry industry, it brings together innovation, expertise, and the future of metal production.

Where the industry meets transformation

- **Global scale & industry diversity:** Bringing together processes, materials, and technologies across the entire foundry sector.
- **Addressing key challenges:** Making topics such as decarbonisation, digitalisation, sustainability, and energy efficiency visible.
- **Turning innovation into progress:** Showcasing real technologies and solutions that shape the future of foundry production.

860 Exhibitors

48,000 Specialist visitors

41,300 sqm Exhibition space



The Energy of Metallurgical Innovation

From primary production to hydrogen-based metallurgy

METEC is the world's leading trade fair for metallurgical technology, large-scale plant engineering, and primary metal production. As a global platform for the industry, it defines how metals are produced at industrial scale and shapes the foundation of global value chains.

Where the future of metals begins

- **The foundation of industrial production:** Metallurgical processes are the starting point of almost every value chain – without them, there are no end products.
- **Driving sustainable transformation:** The industry is redefining large-scale production through solutions such as hydrogen-based steelmaking, electrification, and more efficient resource use.
- **A global platform for strategic progress:** METEC connects international expertise, investment, and cooperation to accelerate the technologies needed for the future.

560 Exhibitors

17,000 Specialist visitors

21,000 sqm Exhibition space



The Heat that drives Change

Efficiency is the Key to Decarbonisation

THERMPROCESS is the world's leading trade fair for industrial thermal processing technology and advanced heat treatment systems. As industrial heat plays a key role in transforming energy-intensive industries, efficient thermal technologies are essential for decarbonisation – especially as process heat accounts for around two-thirds of industrial energy demand in Germany and around 80% is still generated from fossil fuels globally.

Where energy transformation becomes reality

- **Improving efficiency and existing processes:** Heat recovery and smarter energy use create significant potential for reducing emissions and increasing competitiveness.
- **Combining multiple pathways to decarbonisation:** Electrification, hydrogen, and innovative burner technologies provide different solutions for different industrial needs.
- **Enabling practical transformation:** THERMPROCESS demonstrates how industries can implement sustainable change step by step within existing production environments.

280 Exhibitors

7,000 Specialist visitors

8,400 sqm Exhibition space



The Home of Castings

From casting technology to high-performance components

NEWCAST is the world's leading trade fair for precision cast products and high-performance foundry applications. As the final stage of the value chain, it showcases how technologies, processes, and materials come together to create real products for global industries – making the progress and impact of the entire metal ecosystem visible.

Where casting drives future industries

- **Enabling innovation across key markets:** From lightweight components for e-mobility to high-performance solutions for aerospace, medical technology, and energy infrastructure.
- **Supporting global transformation:** Casting innovations are essential for renewable energy, climate-neutral production, and advanced mobility solutions.
- **Driving the future of industry:** NEWCAST demonstrates that the foundry sector is not only adapting to change – it is actively shaping it.

480 Exhibitors

3,900 Specialist visitors

8,100 sqm Exhibition space

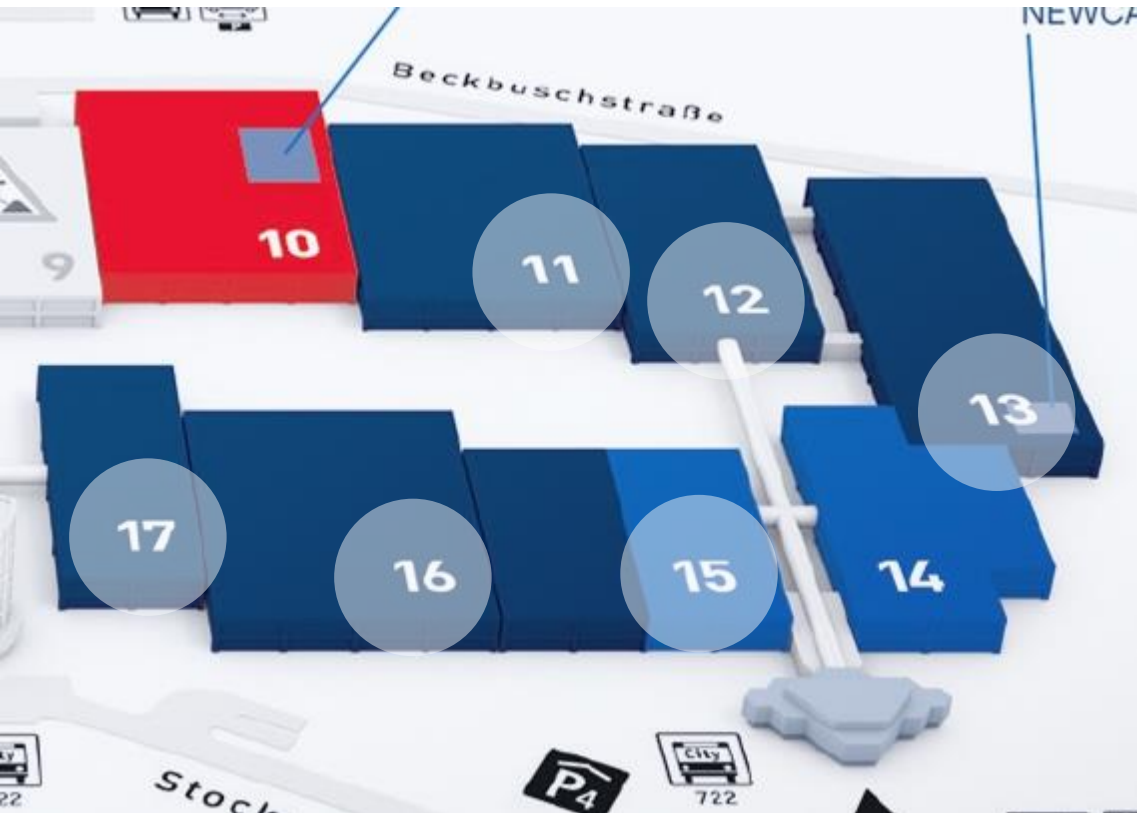
Site- / Hallplan 2027: Mapping the Value Chain



- **A journey through the industry**
Each hall reflects a specific stage of the industry, connecting technologies, processes, and experts across the exhibition.
- **A clearer experience for 2027**
The optimized hall structure creates shorter distances, better orientation, and stronger connections between exhibitors and visitors.

GIFA 2027

From traditional foundry processes to the digital future



11

Foundry machines and foundry plants,
Melting shop

12

Die casting and peripheral equipment,
Measurement and test technology

13

Chemical materials for foundries, Gating and
feeding, Pattern and die making, Digitalisation/IT

15

Metallic charge materials,
Additive manufacturing

16

Foundry machines and foundry plants, Moulding
and core making, Finishing and surface treatment

17

Foundry machines and foundry plants,
Transportation and storage

METEC 2027

focuses on large-scale metal production and industrial plant engineering



1

Plants and process engineering

4

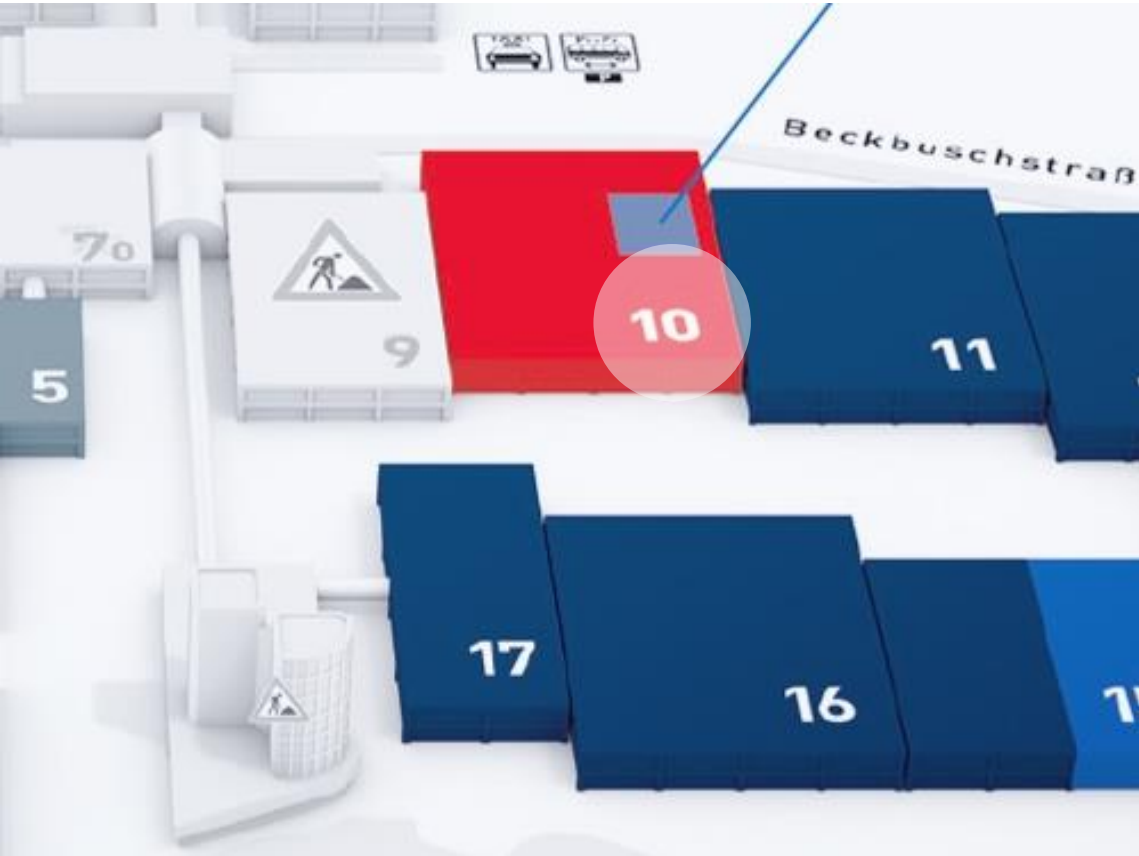
Plants and process engineering,
Semi-finished products, Products and
producers

5

Technology, Components, Services

THERMPROCESS 2027

From industrial furnaces to advanced thermal processing systems



10

Industrial furnaces, Industrial heat treatment, Plants and thermal processes

NEWCAST 2027

From precision castings to high-performance applications



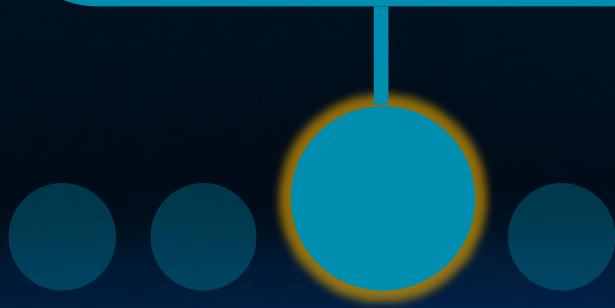
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Ferrous castings, Non-ferrous metal castings, Sinter products

The topics shaping tomorrow's industry

From net-zero production to circular solutions



EXPLORE THE POWER OF FOUR.



Focus Topics across the Power of Four

Across all four trade fairs, a new industrial reality is emerging – one that is more connected, more digital, more energy-driven, and increasingly circular.



Define the global agenda and the industrial transformation.



Acts as the overarching framework, bringing these themes together across all four fairs.

The Key Topics shaping the metal industry

From decarbonisation to smart production and circularity

Transformation is no longer driven by a single trend. It is shaped by the convergence of the key developments defining The Bright World of Metals 2027.



**Decarboni-
sation
& Energy
Efficiency**



**Smart
Factory
& AI**



**Circular
Economy
& Resource
Efficiency**



**Innovations
& Future
Techno-
logies**

The Key Topics shaping the metal industry

From decarbonisation to smart production and circularity

Decarbonisation & Energy Efficiency

Hydrogen, electrification and
integrated energy systems

Decarbonisation has become one of the defining challenges for energy-intensive industries. As hydrogen, electrification, and green steel move from vision to industrial reality, energy efficiency is increasingly becoming a key driver of competitiveness, investment, and sustainable growth.



The Key Topics shaping the metal industry

From decarbonisation to smart production and circularity

Smart Factory & AI AI-Driven Processes and Data-Based Excellence

Industrial production is evolving beyond traditional automation toward intelligent, self-optimising systems. Through digital twins, AI-supported process optimisation, and data-driven decision-making, companies are increasing efficiency, reducing energy consumption, and building more resilient production environments.



The Key Topics shaping the metal industry

From decarbonisation to smart production and circularity

Circular Economy & Resource Efficiency

Advanced Recycling Technologies and Circular Design

Circular economy is becoming a strategic priority for global industries. Advanced recycling technologies and digital product passports enable companies to reuse valuable resources, strengthen supply chain resilience, and create a more resource-efficient industrial future.



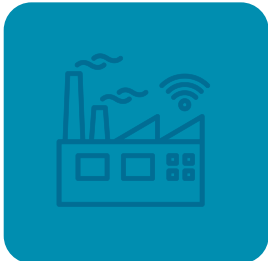
The Key Topics shaping the metal industry

From decarbonisation to smart production and circularity

Innovations & Future Technologies

Start-ups, Additive Manufacturing and Green Applications

Innovation is shaping the future of the global metal industry. Additive manufacturing, start-ups, and green technologies are opening up new opportunities and accelerating the development of smarter, more efficient industrial solutions.



ecoMetals – The Compass for Transformation

Our universal Framework for a Sustainable and Competitive Industry

ecoMetals makes industrial transformation visible and accessible. As the guiding framework of The Bright World of Metals, it represents a shift from isolated measures towards integrated systems combining energy, materials, and circularity.

- **Integrated Transformation:** Connecting energy efficiency, resource management, and circular solutions to shape the future of industry.
- **Visible Innovation:** Curated trails, dedicated forums, and live formats highlight relevant technologies and solutions across the exhibition.
- **Connecting People & Solutions:** Helping visitors and media discover innovations and connect with the right partners throughout all 18 halls.



**Green Production
Solutions 2.0**



**Energy and Carbon
Management
Solutions**



Circular Solutions

Where the global industry meets

Access, partnerships and real-world insights



EXPLORE THE POWER OF FOUR.

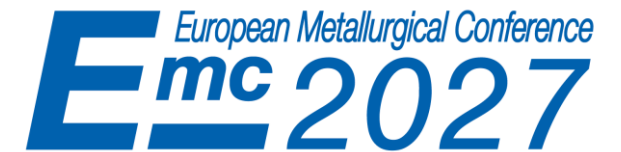


High level forums and special shows

Science, Industry and Leadership define the Future of Metals

The framework programme is the intellectual centre of The Bright World of Metals. It brings together leading experts from science, industry, and business to shape the future of the global metal industry.

- **The industry's most prestigious conferences:** Scientific and technical platforms such as ESTAD and EMC connect research, expertise, and industrial practice.
- **High-Level Forums & Special Shows:** Strategic forums such as GIFA, THERMPROCESS, and ecoMetals provide insights into future technologies, energy efficiency, and industrial transformation.
- **Premier Industry Awards:** Recognising outstanding achievements and celebrating innovation across the global metal industry.



Our Global Network

Connecting world markets and regional expertise

- Global presence across key markets
- Insights into regional developments and trends
- Driving innovation through international cooperation
- Building partnerships for future growth



Welcome to Düsseldorf

The Home of global success

Excellent Infrastructure

connected to airport, rail and motorway

Freshly poured draught Altbier

in the Altstadt (Old Town)

Internationally popular Location

as a renowned exhibition hub

Galleries and museums

to suit every taste

→ This combination of industrial excellence and quality of life is what makes the Düsseldorf experience so unique.

Media & Engagement

Access to content, insights and industry experts

The Bright World of Metals provides media representatives with direct access to key topics, technologies, and experts shaping the future of the industry.

Comprehensive press support

- Press releases, expert articles, interviews, and press images
- Dedicated TV studio and media content formats

Direct access to industry experts

- Exchange with industry leaders, innovators, and researchers
- Insights into emerging technologies and market developments

Exclusive formats for deeper insights

- ecoMetals Trails and live discussions
- Opportunities for dialogue and expert exchange

The Bright World of Metals

2027 21–25 June
Düsseldorf / Germany



Your story starts here.



Messe
Düsseldorf

Explore the power of four.

MALTE SEIFERT

Director The Bright World of Metals



See you in Düsseldorf

