JSW

Presents

MET & HTS 2026

Materials Engineering Technology | Heat Treatment Show

International Exhibition and Conference

Wed 16 – Fri 18 December 2026

CIDCO Exhibition & Convention Centre, Vashi, Navi Mumbai, INDIA

DEFENCE & AEROSPACE | TRANSPORTATION TECHNOLOGIES | ENERGY & SUSTAINABILITY

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Overview

Welcome to the world's most transformative platform for advanced materials and industrial innovation. We stand at a defining moment in manufacturing history — where materials science is not a support function but the engine of competitiveness, sustainability, and societal progress.

We are offering a platform - To Inspire, Innovate & Transform with Technology !

Over nearly a decade, MET + HTS has grown from a regional gathering into a global epicenter of commercialization. We have convened pioneers, game-changers, and industry leaders from 40+ countries, forging partnerships that have accelerated product journeys and reshaped supply chains. Today, Fortune 500s and breakthrough startups come together with one shared mission: move discoveries into market-ready solutions faster and smarter.

This shift is intentional. Technology-led is invention; technology-focused is engineering with purpose — solving urgent industrial, environmental, and economic challenges. It changes how we curate partnerships, select exhibitors, and design programming. We are building Industry 4.0 ecosystems where AI, quantum computing, blockchain, and advanced materials converge to create tangible impact.

Join us on this journey where material innovation becomes the foundation for solutions that drive progress, resiliency, and measurable value.

The Vision

Bridge Academia Industry and Capital

Live matchmaking between researchers, OEMS, investors, and government programs.

Sustainability as Competitive Differentiation

Position advanced materials at the heart of circular economy models; highlight low-carbon, recycled, and bio-based innovations.

The Mission

Empower MSMEs and Startups

Democratize access to tools, procurement channels, and investor networks previously reserved for large corporates.

Accelerate Commercialization

Remove barriers between lab and factory; create rapid-prototyping and market-entry pathways.

2024 Post-show Highlights

400+ Exhibitors

8,000+ Visitors

80+ Speakers

500+ Delegates

Global participation from 20+ countries

High-value partnerships and immediate commercialization pilots launched









Bridging Research-Industry-Market Gap

Core Area: Research And Discovery

Universities: National labs; R&D centers, Patent and IP development; Proof-of-concept projects.

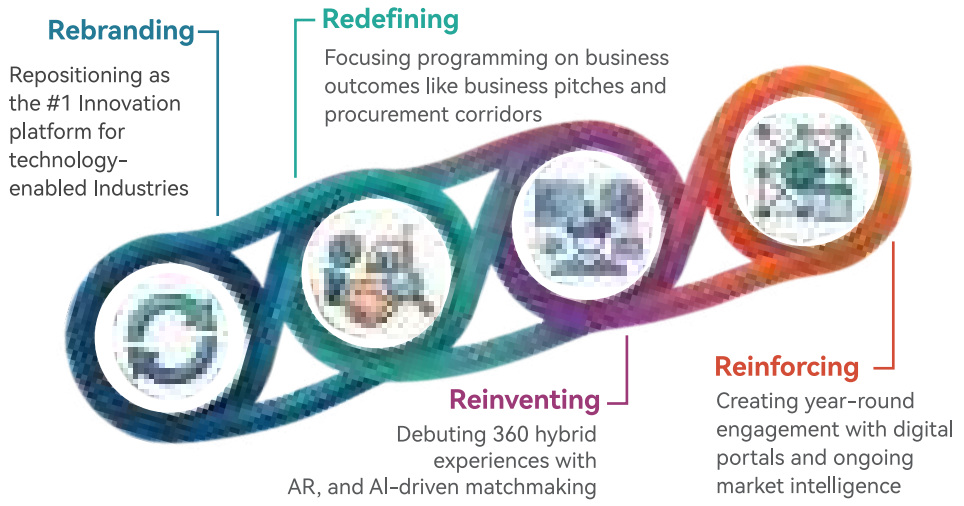
Center Platform

Networked matchmaking, Live demonstrations and TechSprints, Investment roadshow sessions, Rapid-prototype showcases.

Strategic Focus: Market And Deployment

OEM procurement professionals; End-user industries—defense, aerospace, energy, automotive, electronics: Supply-chain partners; Global distribution and scale-up services.

> *This is not a marketplace. This is an innovation accelerator compressing years of commercialization into days of intensive engagement.*



Your Presence and Value Proposition

Direct Access to Decision-Makers — Meet procurement leads, design engineers, and program sponsors face-to-face.

Global OEM Procurement — Reach aerospace, automotive, defense, energy and electronics buyers.

End-User Engineers — Engage with 3,000+ technical professionals selecting materials for next-generation products.

Government and Programmatic Buyers — Connect with agencies running multiyear capital projects.

AI-Powered Matchmaking

We analyze 30+ data points per participant company profile, technology focus, investment stage, geographic reach, sector needs to deliver curated Introductions. Each participant receives a high probability meeting list of 4-6 partners maximizing time and conversion.

No random booth browsing. No wasted time. Just strategic alignment and measurable outcomes.



Curated Thematic Zones

Spotlighting critical materials for India's technology and manufacturing ambitions



MET Exhibits



Metals & Alloys — Ferrous and non ferrous systems: iron, steel, aluminium, copper, zinc, specialty alloys.

Armor & Ballistics — High performance protective materials and structural systems.

Inorganic Non Metallics — Ceramics, glass, cement, advanced fibers and refractory materials.

Polymers & Elastomers — Engineering plastics, specialty polymers, rubber compounds and sustainable alternatives.

Composites — Fiber matrix systems, hybrid laminates and lightweight structural solutions.

Electronic, Magnetic & Nano Materials — Semiconductor materials, magnetic materials, nano structured materials and electronic-grade compounds.

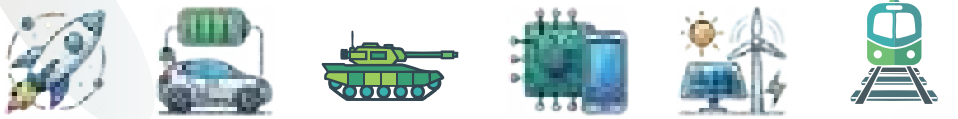
Process, Equipment & Testing — Metallurgical equipment, processing technologies, surface modification systems, materials testing and characterisation services.

Materials R&D & Services — Research labs, IP/patent services, consulting, simulation and scale up partners.

Allied Industries — Supply chain partners, recyclers, raw material suppliers and materials centric service providers.

Films, coatings, adhesives and bonding technologies, high performance ceramics, flat panel technology and optoelectronics.

Serving High - Growth Industries



Aerospace | Automotive & EV | Defence | Electronics | Energy & Power | Railway & Mass Transit

MET Application



Shipbuilding & Marine

- Aerospace
- Automotive & EV



Heavy Engineering

- Defence
- Electronics



Oil & Gas, Marine & Offshore

- Energy & Power
- Railway & Mass Transit

Conference is done through 3 parallel symposium themes.

HTS Thematic Zones

- **Furnaces & Thermal Equipment** — Induction, vacuum, continuous, batch, nitriding, controlled atmosphere, cryogenic, microwave and specialty furnaces.
- **Surface Engineering & Thermal Process** — Annealing, carburizing, nitriding, brazing, flame and laser hardening, plasma processes, in situ heat treatment.
- **Consumables & Auxiliaries** — Quenchants, protective atmospheres, refractory materials, radiants, trays, fixtures and furnace grade alloys.
- **Automation, Controls & Measurement** — Temperature control, thermal profiling, sensors, PLC/SCADA, process simulation and calibration services.
- **Post Processing & Finishing** — Shot peening, blasting, cleaning systems, industrial washers, quenching systems and cryogenic treatments.
- **Testing, Inspection & Safety** — Metallographic equipment, hardness testers, NDT, fire safety systems, filtration and oil treatment solutions.
- **Service Providers & Solutions** — Heat treatment shops, contract HTS providers, engineering consultants, modelling and validation specialists.
- **Foundry & Forging Technologies** — Charging systems, burners, heat exchangers and kiln/furnace innovations.





HTS Exhibits



- **Automotive & Components Manufacturing.**
- **Aerospace & Defense Fabrication.**
- **Steel, Foundry & Forging Industries.**
- **Oil, Gas & Offshore Fabrication.**
- **Power Generation & Renewables.**
- **General Engineering & Fabrication.**
- **Heat treatment Service Providers & OEMs.**
- **R&D Institutions, Testing Labs & Academia.**
- **Heavy Engineering, Railways & Infrastructure.**
- **Government Procurement, Policy Makers & Programmes.**
- **Investors, Technology Buyers & Trade Delegations.**

MET & HTS World Conference 2026- Overview

- **Dates & Venue:** 16-18 December 2026 CIDCO Exhibition Centre, Navi Mumbai, India.
- **Format:** Plenary, Keynotes, technical sessions, industry panels, live demos AR/VR showcases and AI powered matchmaking.

MET & HTS 2026 will have three parallel conference tracks:

TRACK A	Advanced Materials & Coatings: Processes & Characterisation	Contact Details
Convener	Dr. K.V. Mani Krishna (BARC, Mumbai)	kvmani@gmail.com
Co-Convener	Dr. Luckman Muhmood (ASM India Chapter, Mumbai)	lukman.muhmood@gmail.com

TRACK B	Heat Treatment: Advances in Processes & Equipments	Contact Details
Convener	Dr. Urvesh Vala (L&T Energy, Vadodara)	urveshvala@gmail.com
Co-Convener	Mr. Sandeep Rege (ASM India Chapter, Mumbai)	sand3762@gmail.com

TRACK C	Critical Materials & Circular Economy: Manufacturing, Recycling & Failure Analysis	Contact Details
Convener	Dr. Vilas Tathavadkar (HINDALCO, Mumbai)	vilas_tathavadkar@yahoo.com
Co-Convener	Mr. Suhas Sabnis (ASM India Chapter, Mumbai)	metsolcon@yahoo.co.in

Technical Scope & Highlights

- Advanced Steels, Non-Ferrous Alloys, Coating Technologies.
- Quantum Materials, Nano Materials & Electronic Materials.
- Advances in Heat Treatment & Surface Engineering 4.0.
- Heat Treatment Process Equipments, Automation & Controls.
- AI / ML in Material Science & Engineering.
- Semiconductors, Electronics & Functional Nano-Materials.
- Advanced Ceramics, Composites & Armor Systems.
- Sustainable Polymers, Engineering Plastics & Circular Materials.
- Rare Earths, Critical Minerals & Strategic Supply Chains.

Call for Abstracts:

Extended Abstract within two A4 page template and falling under any one of the above three tracks are welcome from the prospective authors for Oral and Poster presentations in three parallel technical sessions.

Template for abstracts can be downloaded from the Conference website: **www.metandhts.com**

The completed template in editable Word format should be sent to **abstract.metandhts@gmail.com**

Important Dates:

Last Date for Submission of Abstracts	September 30, 2026
Last Date for Submission of Full Length Paper	October 30, 2026
Last Date for Registration*	November 15, 2026
Conference Dates	December 16 to 18, 2026

**Only those abstracts of authors who have paid their registration fee will be considered for technical presentation in the Conference*

Delegate Registration Details:

Registration Fees	Rs.	USD($)
ASM International Members	10,000/-	200/-
Corporates / Industries / Companies	12,000/-	300/-
Academia and R&D	8000/-	200/-
Research Scholars & Students	3000/-	100/-
Accompanying Spouse	5000/-	100/-
Spot Registration	Registration Fee + 10%	
Plus Taxes as GST @ 18% Extra		

Delegate registration form can be downloaded from **www.metandhts.com**

Filled registration form along with details of payment shall be e-mailed to **registration.metandhts@gmail.com**

Audience Highlights:

- Materials scientists, metallurgists, R&D professionals, engineers & technologists, responsible for qualifying & scaling next-gen materials & heat treatment.
- Industry leaders from Defence & Aerospace, Transportation Technologies, Energy & Sustainability.
- Policy makers, investors, academics, startups & trade delegations having opportunities in advanced materials & heat-treat ecosystems.

TEAM OF MET & HTS

OUR PATRONS (International)

Dr. Navin Manjooran
(Solve Group, USA)

Prof. Ravi Ravindran
(Past President ASM INTERNATIONAL, USA)

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Dr. Eva Troell
(RISE Research Institutes of Sweden)

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PARTNERSHIP OPPORTUNITIES

Partnership Category	Partnership Type/Slot	Amount (in INR)	Compl. Raw Space (in sqm)	Compl. Delegates	Sponsor's Chief Exec. at Inaugural Dias	Speaking Slots		Advt in Souvenir / Directory	Expo Directory	10*8 ft Hoarding in Venue	Standee at the Event (to be provided by Sponsors)	Directional Signage	Inserts in Delegate Kit (to be provided by Sponsors)	Onsite, Social Media & Digital Branding
						Keynote Session	Tech. Session							
Title Sponsor	Exclusive	100 Lakhs	400	25	1	1	2	Back Cover	Group Company Profiles + 1 Page Advertorial	5	5	5	✓	✓
Power Sponsor	Exclusive	60 Lakhs	200	15			1	Inside Back Cover	2 Group Company Profiles + 1 Page Advertorial	3	3	3	✓	✓
Platinum Sponsor	4	25 Lakhs	100	10			1	One Full Page	1 Company Profile	2	2	2	✓	✓
Diamond Sponsor	4	20 Lakhs	75	8			1	One Full Page	1 Company Profile	1	2	1		✓
Gold Sponsor	4	15 Lakhs	50	6				One Full Page	1 Company Profile		1	1		✓
Silver Sponsor	4	10 Lakhs	30	3				One Full Page	1 Company Profile		1			✓

**GST charged as applicable*

Our Partnershipopportunities provide a range of entry points for brands, service providers and suppliers. These opportunities allow you to get your products and solutions in front of key audiences, highlight your innovations, lead important industry conversations and connect with industry professionals.

Exhibition Opportunities

Exhibitors who invest above a certain amount are eligible for partner status and can benefit from additional complimentary exposure.
We provide outstanding opportunities to the companies/supplier/investor to showcase their products and services to the delegates and visitors attending the event.

PARTICIPATION PACKAGES FOR EXHIBITION

Domestic Participation

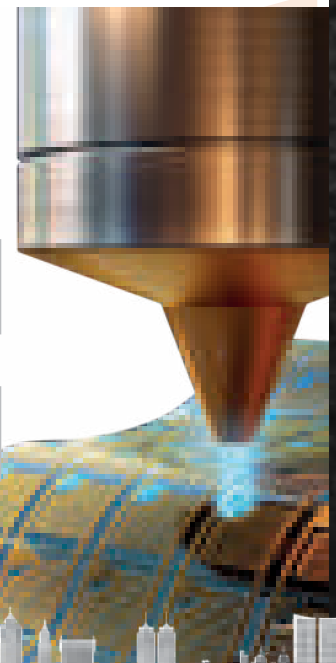
Shell Scheme
INR 14500/sqm +Taxes

Raw Space
INR 13000/sqm +Taxes

International Participation

Shell Scheme
USD 325/sqm +Taxes

Raw Space
USD 285/sqm +Taxes



MET & HTS 2026

Materials Engineering Technology — Heat Treatment Show

Co-Located Event:

MMD – 2026

2nd Edition of
Medical Materials & Devices

ABOUT US

ASM International founded in 1913 and headquartered in Ohio, USA, is the world's largest and most established materials information society.

ASM International India Chapter established in 1979, is a member- and volunteer-driven organization dedicated to serving industry through high-quality information on materials and processes. We achieve this through technical talks, educational courses, industry visits, conferences, and expositions.

ASM offers a global network of peers and provides expert support to help members and organizations achieve superior materials-related outcomes.

We also print the Souvenir advt table and suitable contact person: Contact Mr. Jayesh Mukadam, Treasurer, (Email: jayeshmukadamasm@gmail.com).

For assistance please contact: Mr. Jayesh Mukadam (M: 9821051399)

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Bank Name	HDFC BANK LTD
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ASM INTERNATIONAL - India Chapter
#409, Shrishti Square, LBS Marg.
Bhandup West, Mumbai: 400 079.
Email: asmindia79@gmail.com

Chapter Chair
Rajesh Shah : +91 93240 38002

Event Organiser

Pankaj : +91 93542 28024
Email : pankaj@orangemarcom.in
Rajnish Sinha : +91 98104 19110
Email : rajnish@orangemarcom.in
Web: www.orangemarcom.in

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