

THE HEARTBEAT OF OUR INDUSTRY



MESSE
MÜNCHEN



Rahmenprogramm
Supporting program



bauma.de

bauma

Montag 7. April: Klimaneutralität Monday, April 7: Climate neutrality

<p>09:45–10:00 Introduction to the key topic day “Climate neutrality” VDMA · Germany</p> <p>10:00–10:30 Electrification impact on work hydraulics Danfoss Power Solutions · Denmark</p> <p>10:30–11:00 Driving the shift towards sustainable solutions Scania Power Solutions · Sweden</p> <p>11:00–12:30 bauma Innovation Award 2025 – presentation of the 15 nominees and winners of the bauma Innovation Award 2025 Moderation: Martina Scherbel, VDMA · Germany</p> <p>12:30–13:00 Climate-responsible construction through innovation Frankfurt University of Applied Sciences · Germany</p>	<p>13:00–14:00 Panel: Climate neutrality – strategy, investment, roadmap - Federal Ministry for Housing, Urban Development and Building · Germany - CECE HLTPEG and MiC 4.0 · Germany - Hauptverband der Deutschen Bauindustrie (HDB) · Germany Moderation and closing words: Joachim Schmid, VDMA · Germany</p> <p>14:00–14:30 Panel discussion FrauenNetzwerk-Bau (networking community for women in the construction industry) Hauptverband der Deutschen Bauindustrie (HDB) · Germany</p> <p>14:30–14:40 Carbon Smart: Optimizing small equipment for a greener construction future zamics / Zeppelin Lab GmbH · Germany</p> <p>14:40–14:50 Mixing platform for innovative concrete technology Sonocrete · Germany</p> <p>14:50–15:00 Electric oil pump to increase powertrain efficiency PMC Technologies · Canada</p>
--	--

<p>15:00–15:10 Climate-friendly energy supply on the construction site SunPlate · Germany</p> <p>15:10–15:20 Compensate staff shortages by using digital solutions VSight · Germany</p> <p>15:30–16:00 Revolution in concrete: The Giatec ecosystem Giatec Scientific Inc. · Canada</p> <p>16:00–16:30 Building the future: High-efficiency components for sustainable concrete production WAMGROUP · Italy</p> <p>16:30–17:00 ArcelorMittal’s low carbon emission steel solutions ArcelorMittal · Germany</p> <p>17:00–17:30 Climate neutrality Cummins Ltd. · USA</p> <p>17:30–17:45 Short summary of the day VDMA · Germany</p>

Dienstag 8. April: Mining Challenge Tuesday, April 8: Mining challenge

<p>09:45–10:00 Introduction to the key topic day “Mining challenge” VDMA · Germany</p> <p>10:00–10:30 The impact of the EU Critical Raw Materials Act Member of the EU Parliament · Belgium</p> <p>10:30–12:00 Panel: Mining challenge – security of supply of commodities, automation, ESG - Member of the EU Parliament and the EU Critical Raw Materials Board · Belgium - Rio Tinto · Belgium - CECE · Spain - VDMA Mining & Minerals · Germany Moderation: Christoph Danner, VDMA · Germany</p> <p>12:00–12:30 Mining for a sustainable future Weir Minerals Europe · United Kingdom</p> <p>12:30–12:40 Optimizing excavation machinery operation, reducing cost and GHG emissions Dig Robotics · Israel</p> <p>12:40–12:50 Safe autonomous driving in harsh environmental conditions DriveBlocks · Germany</p>
--

<p>12:50–13:00 Unlocking hidden process intelligence: AI-powered IoT event log generation for construction & manufacturing Process.Science · Germany</p> <p>13:00–13:10 Is the construction industry stuck in the past? Why connecting machines isn’t enough anymore Talpa Solutions · Germany</p> <p>13:10–13:20 Asset tracking in the construction industry – challenges and ideas for making the invisible visible Sensolus · Germany</p> <p>13:30–14:00 Blue Mining – a holistic approach that integrates circular economy Clausthal University of Technology · Germany</p> <p>14:00–14:30 Innovating mining technology: Pioneering solutions from AMT RWTH Aachen University · Germany</p> <p>14:30–15:00 Los Azules: Smart mining & green copper in Argentina’s new era Los Azules · Argentina</p>
--

<p>15:00–15:30 Critical raw material & process engineering ADVANCED MINERAL PROCESSING SL · Spain</p> <p>15:30–16:00 Decarbonization solutions for existing equipment and the economics of low hanging fruits EKU Power Drives · Germany</p> <p>16:00–16:30 Cutting-edge solutions for overcoming modern mining challenges: Durability, efficiency, and environmental compliance Mammoth Equipment and Exhausts · Canada</p> <p>16:30–17:00 Remote operation in the mining segment MOBA Mobile Automation AG · Brazil</p> <p>17:00–17:30 Sustainable copper mining – Flowsheets & solutions FLSmidth · United Kingdom</p> <p>17:30–17:45 Short summary of the day VDMA · Germany</p>
--

- = Welcome / Closing remarks
- = Keynote
- = Start-up pitch
- = Exhibitor presentation
- = Academia
- = Panel discussion / lecture

All contributions will be simultaneously translated from English into German and German into English.

Date: April 3, 2025, subject to changes.

Mittwoch, 9. April: Alternative Antriebskonzepte
Wednesday, April 9: Alternative drive concepts

<p>09:45–10:00 Introduction to the key topic day “Alternative drive concepts” VDMA · Germany</p> <p>10:00–10:30 Engine oils for hydrogen internal combustion engines FUCHS LUBRICANTS GERMANY GMBH · Germany</p> <p>10:30–11:00 Purpose design electric drive system Motorenfabrik Hatz · Germany</p> <p>11:00–11:30 Application potential and limits of alternative drive technologies for mobile machinery Dresden University of Technology / Chair of Construction Machinery · Germany</p> <p>11:30–12:00 E-fuels: Suitability for construction machines TUM Institute of Sustainable Mobile Powertrains · Germany</p> <p>12:00–12:30 Between performance and sustainability – are there any viable alternatives to a diesel engine? DEUTZ AG · Germany</p>	<p>12:30–14:00 Panel: Alternative drive concepts – opportunity, limits, infrastructure - Volvo Construction Equipment Germany GmbH · Germany - VDMA Engines and Systems · Germany - Liebherr-Werk Bischofshofen GmbH · Austria - DEUTZ AG · Germany Moderation: Timo Feuerbach, VDMA · Germany</p> <p>14:00–14:10 Lower CO₂ emissions on construction sites: It’s already possible Volta Energy · Netherlands</p> <p>14:10–14:20 The new era of AI-driven and fully integrated battery management systems PulseTrain · Germany</p> <p>14:20–14:30 Next-gen solutions for trenchless construction Stern Technic · Germany</p> <p>14:30–14:40 Security and intelligence applied to industry Belttech Solutions · Spain</p>	<p>14:40–14:50 Secure engineering collaboration on 3D CAD data Threedy · Germany</p> <p>15:00–15:30 Global best practices of alternative propulsion solutions FEV Consulting GmbH · Germany</p> <p>15:30–16:00 Drive your electrification goals: discover the engineered driveline solution from Danfoss and Carraro Carraro SpA · Italy and Danfoss Power Solutions · Germany</p> <p>16:00–16:30 Decarbonizing worksites with modular batteries Proventia Group · Finland</p> <p>16:30–17:00 Enabling H₂ storage for H₂ based powertrains ITK Engineering and Robert Bosch GmbH · Germany</p> <p>17:00–17:30 The shift to alternative fuels: Challenges and safety considerations Dafo Vehicle AB · Sweden</p> <p>17:30–17:45 Short summary of the day VDMA · Germany</p>
--	--	---

- = Welcome / Closing remarks
- = Keynote
- = Start-up pitch
- = Exhibitor presentation
- = Academia
- = Panel discussion / lecture

All contributions will be simultaneously translated from English into German and German into English.

Donnerstag, 10. April: Vernetztes Bauen
Thursday, April 10: Networked construction

<p>09:45–10:00 Introduction to the key topic day “Networked construction” VDMA · Germany</p> <p>10:00–10:30 Digitalization and networking for construction machinery and the construction process STRABAG/Machines in Construction (MiC) 4.0 · Germany</p> <p>10:30–12:00 Panel: Connected machines – common data understanding - Wacker Neuson (Linz) · Austria - Max Wild · Germany - Liebherr-Hydraulikbagger GmbH · Germany - VDMA - AG MiC 4.0 · Germany Moderation: Dr. Darius Soßdorf, VDMA · Germany</p> <p>12:00–12:30 Digital twin and AI technology construction AGTEK, Part of Hexagon · USA</p> <p>12:30–13:30 University contributions on the topic of “connected machines” Dresden University of Technology and Technical University of Munich (TUM) · Germany</p>	<p>13:30–14:00 Digitalization and data rights MiC 4.0 · Germany</p> <p>14:00–14:10 Solving modern challenges in construction: Networked machine fleets for enhanced sustainability and profitability Leasi · Norway</p> <p>14:10–14:20 Optimizing concrete delivery with truvami’s automated tracking and pour detection truvami · Switzerland</p> <p>14:20–14:30 Smart cranes for digital jobsites Ultrawis · Israel</p> <p>14:30–14:40 Digitalization on the construction site Core-Sensing · Germany</p> <p>14:40–14:50 Digital procurement as the foundation for efficient processes Sequello · Austria</p>	<p>15:00–15:30 AI-powered autonomous excavation Gravis Robotics · Switzerland</p> <p>15:30–16:00 Driving smarter productivity in off-highway industries Volvo Penta · Sweden</p> <p>16:00–16:30 Enhancing safety with autonomous technology CNH Industrial Italia SpA · Italy</p> <p>16:30–17:00 Connected jobsites – advancing construction together Trackunit · Denmark</p> <p>17:00–17:30 Intelligent construction progress documentation and image-based construction diary Alinotec · Germany</p> <p>17:30–17:45 Short summary of the day VDMA · Germany</p>
--	---	---

Date: April 3, 2025, subject to changes.

Freitag, 11. April: Nachhaltiges Bauen
Friday, April 11: Sustainable construction

09:45–10:00	Introduction to the key topic day “Sustainable construction” <i>VDMA · Germany</i>
10:00–10:30	European construction policy – political priorities of the European Commission <i>European Commission, Unit for Construction · Belgium</i>
10:30–12:00	Panel: Sustainable construction – carbon footprint, resource conservation, circular economy* - <i>European Commission · Belgium</i> - <i>SCHWENK Zement GmbH & Co. KG · Germany</i> - <i>TU Berlin, Institute of Civil Engineering · Germany</i> - <i>Becatur Beratungsgesellschaft für nachhaltiges Bauen mbH · Germany</i> Moderation: <i>Stephan Oehme, VDMA · Germany</i>
12:00–12:30	High-strength reinforcement SAS 670/800 and B670B acc. to DIN488 <i>SAH Stahlwerk Annahütte · Germany</i>
12:30–12:40	How to manage your installed base of equipment with AR and AI? <i>Oculavis · Germany</i>
12:40–12:50	Building the future: M3DUSA makes conventional concrete printable <i>M3DUSA · Liechtenstein</i>
12:50–13:00	Next generation building materials <i>C2CA · Netherlands</i>
13:00–13:10	Streamlining concrete transport and pumping through digital integration <i>SoPump · France</i>
13:10–13:20	excav PILOT – portable high precision GNSS excavation assistant <i>excav · Germany</i>
13:30–14:00	Can fast-track housing achieve acceptable sustainability levels? <i>Dema Formworks · Turkey</i>
14:00–14:30	Mineral processing of alternative deposits and their potential for the construction industry <i>RWTH Aachen University · Germany</i>
14:30–15:00	How new methods in 3D concrete printing are making the construction industry more efficient and sustainable <i>IAB – Institut für Angewandte Bauforschung Weimar · Germany</i>
15:00–15:30	Digital construction sites: shaping the future towards construction industry 5.0 <i>TU Braunschweig University of Technology · Germany</i>
15:30–16:00	Instant power – lasting impact <i>Instagrid GmbH · Germany</i>
16:00–16:30	Impact of thermal bridges on the energy efficiency of buildings <i>Peikko Group Corporation · Germany</i>
16:30–17:00	SIMEM Innovation for concrete sustainability <i>SIMEM · Italy</i>
17:00–17:30	Composite mats paving the road to sustainable construction <i>Isokon d.o.o. · Slovenia</i>
17:30–17:45	Short summary of the day <i>VDMA · Germany</i>



- = Welcome / Closing remarks
- = Keynote
- = Start-up pitch
- = Exhibitor presentation
- = Academia
- = Panel discussion / lecture

All contributions will be simultaneously translated from English into German and German into English.

SEE YOU SOON AT bauma!

April 7–13, 2025 | Messe München



Date: April 3, 2025, subject to changes.