

HYDAC

INTERNATIONAL

**Innovative solutions
and components for
mobile machinery**





Innovative solutions and components for mobile machinery

Sustainability

- HYDAC Innocycle Technology
- Tank optimisation
- Reduction of installation space and conservation of resources
- Fluid conditioning
- Innovative element technologies
- Spare parts strategy with new quality standard
- Status information and monitoring
- Virtual Fluid Lab (VFL)
- Oil analysis and monitoring
- HYDAC Fluid Care Center
- HYDAC Fluid Care Portal
- Diesel filtration pre- and main filter

Electronic Architectures

- Camera-based assistance systems
- Position detection
- Smart sensors
- Hydrogen sensors
- High Performance Controller
- MATCH Software Suite
- Electrohydraulic solutions
- E/E machine architectures
- Connectivity
- M2M & M2C communication
- Cloud services
- Predictive maintenance

Mobile Automation

- Assistance functions
- Steering systems
- Suspension systems
- Management of auxiliary circuits
- Attachment control
- Ready-to-use systems
- Load control
- Remote and retrofit systems
- Function integration
- Electrohydraulic function modules
- Innovative valve technology

Enabler

- Mounting technology and media management
- Hydraulic accumulators and dampers
- Mobile pumps

Thermal Management

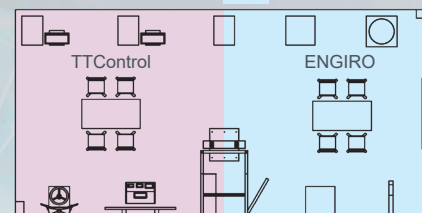
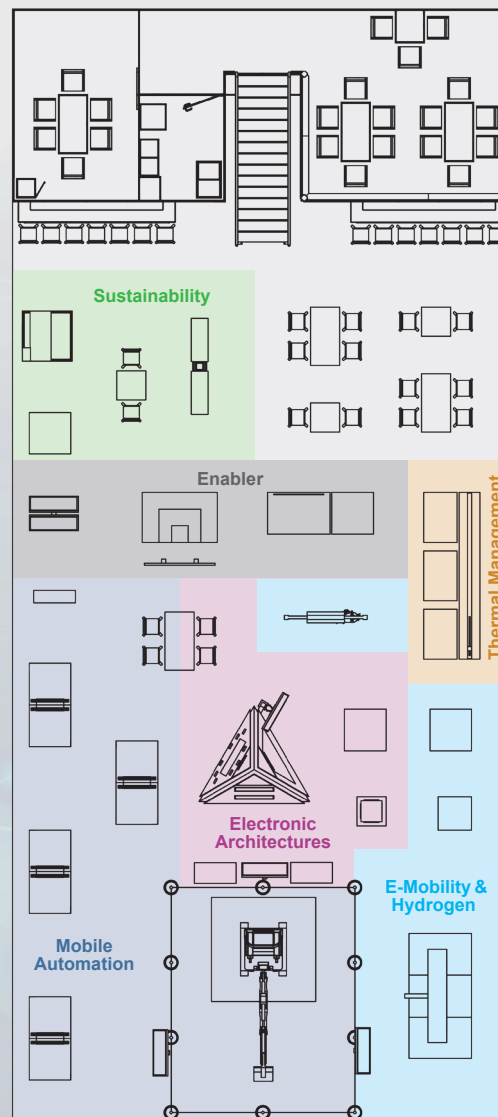
- Passive cooler (combi cooler, coolant cooler)
- Function integration with cooler filter tank (CFT)
- Battery thermal management (BTMS)
- Fuel cell cooling (adiabatic cooling system)

E-Mobility & Hydrogen

- Electrification kit eKit
- High-voltage and low-voltage systems
- Battery modules and systems
- Controllers and software
- Power distribution (PDU)
- Electric drives
- Hydrogen technologies
- Energy-efficient hydraulics
- Electromechanical actuators
- Thermal management
- Charging infrastructure
- Optimised mounting solutions

Collaboration

- MATCH Hardware & Software Suite
- Application-ready software
- Simulation of drive systems and machines
- Functional safety
- System analysis
- Risk analysis
- Cyber security

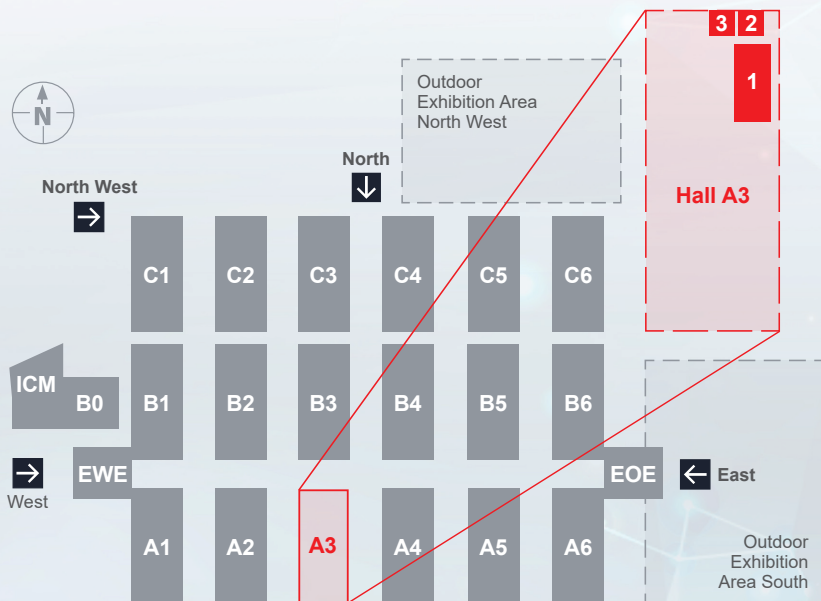


How to find us

bauma 2025

April 7 to 13

Hall A3, stand 449
Trade Fair Center Messe München
Munich/Germany



- 1 = HYDAC (A3.449)
2 = HYDAC TTControl (A3.550)
3 = HYDAC ENGIRO (A3.451)

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