
Autonomous Versatile Robotics – From Vision to Reality

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Short description:

Autonomous Versatile Robotics (AVR™) is ABB Robotics' vision for the next generation of automation – robots with intelligent eyes to perceive the world, capable hands to interact with it, and autonomous brains to learn, reason and act. By combining advances in AI, vision, sensing, mobility and robotics, AVR enables robots to adapt to changing environments and perform a broader range of tasks with increasing autonomy. This presentation explores the technologies behind AVR, the role of Physical AI in shaping the future of robotics, and how ABB Robotics is turning this vision into reality through innovations that make automation more flexible, resilient and accessible across industries.

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More about Mattia Marconi:

Mattia Marconi has been at ABB since 2015. In his role as product manager, he defines the product vision and roadmap for cobots and our new vision software, ensuring their solutions meet market and customer needs. He works closely with R&D, sales, and marketing to drive successful launches and manages the full product lifecycle.