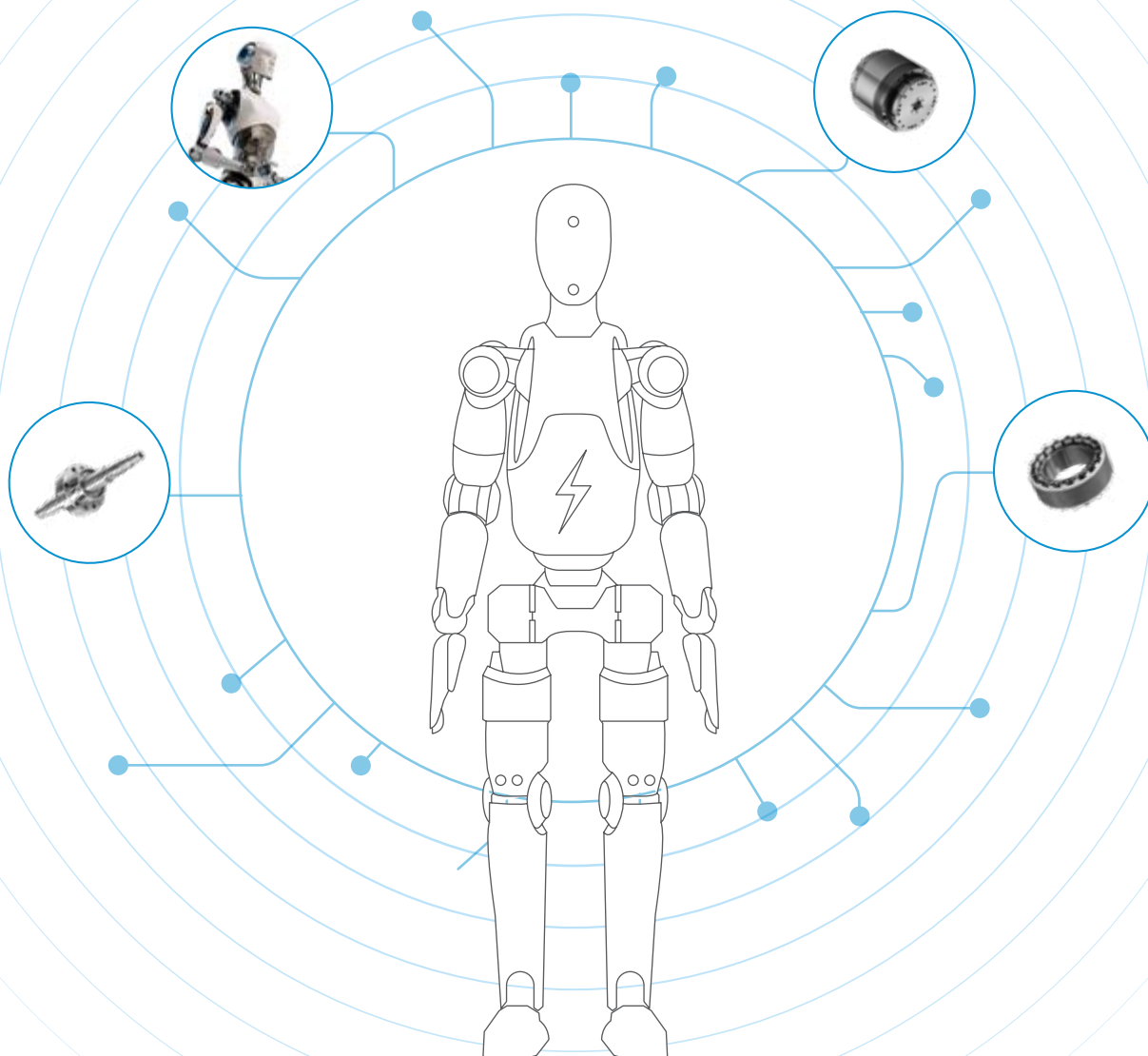


BOLDER MOVES

Making a leap into the future

Humanoid robots are no longer just a sci-fi fantasy; they are quickly becoming a platform technology used in logistics, eldercare, hazardous industrial operations, and even consumer interactions. We aim to lead this transformation. Our pursuit of advancements in humanoid robotics is not a strategic shift but rather an extension of our core capabilities into the broader field of mobility technology.

With significant advancements in AI, 3D perception, and control technologies, along with decreasing computing costs, we anticipate a rapid adoption of humanoid robots over the next decade. We are utilising our core capabilities to develop components and subsystems for these humanoid robots. The actuators, high-efficiency motors, precision gears, and embedded control systems that power electric vehicles are also essential for humanoid robotics.



Drones, eVTOL, AGV/AMR

Our commitment to innovation in mobility continues to evolve beyond traditional domains, extending into cutting-edge sectors such as Drones, eVTOL aircraft, and Autonomous Guided Vehicles (AGVs) and Autonomous Mobile Robots (AMRs). Recognising the transformative potential of these technologies, we are actively engaged in the development of advanced components and integrated sub-systems tailored to meet the unique demands of these high-growth segments.

At our state-of-the-art R&D and Innovation Centre in Chennai, we are prototyping robotic systems, with cross-functional teams exploring new applications for mobility-grade sensors, high-performance computing and electromechanical integration.

PARTNERING TO FAST-TRACK

We have recently signed an MoU with the Technology Innovation Hub on Autonomous Navigation (TiHAN) at IIT Hyderabad for advanced mobility solutions such as autonomous ground vehicles (AGVs) and eVTOLs, which could play a pivotal role in advancing our ambitions, as they share core technology layers with robotics and drones.

Another MoU was signed with The ePlane Company to collaborate on powertrain development for electric vertical take-off and landing (eVTOL) aircraft and drones. Under this agreement, we are working together on designing and developing key components such as gearboxes, motors, inverters, and related systems for eVTOLs and drones.



As we strive for innovation, our commitment to humanoid robotics represents a significant step towards shaping the future of intelligent machines. This initiative positions us as a key player in the rapidly evolving field of robotics and automation.

These strategic expansions strengthen our position as leaders in next-generation mobility solutions and align with our vision of creating a smarter, more connected, and sustainable future.