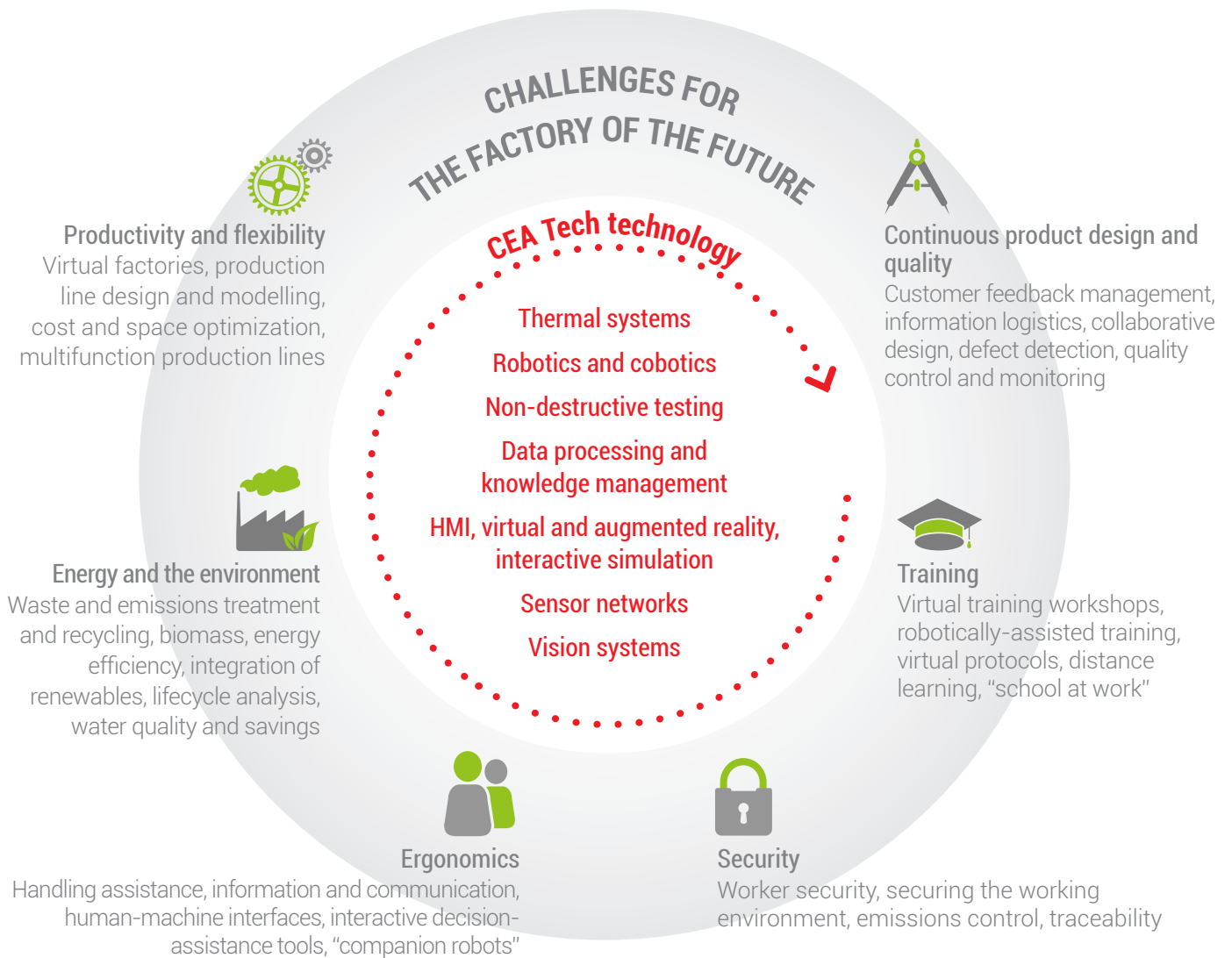


FROM RESEARCH TO INDUSTRY

cea tech

CEA TECH SERVICES FOR THE FACTORY OF THE FUTURE

Technology for tomorrow's factories



CEA Tech can help the following businesses:

- Manufacturers in all industries
- Production-line equipment manufacturers
- IT services companies
- Technical certification centers

Here are some of the ways CEA Tech can support your development:



- Robotics and cobotics** Reduce repetitive stress injuries, provide handling and palleting assistance
- Non-destructive testing (x-ray, ultrasound, etc.)** Quality control simulation and strategy development, weld and composite material characterization
- HMI (virtual and augmented reality)** Maintenance assistance, virtual training workshops, real-time information eyeglasses, multi-mode interfaces (programmable buttons, haptic feedback interfaces)
- Vision systems** Worker safety, product control via color or shape recognition, quality control of production inputs
- Sensor integration** Gas detection, emissions control, water quality, worker safety and geolocation
- Thermal systems** Heat-energy recovery, storage, and recycling; heat networks
- Interactive simulation** Assistance designing production lines and workstations to reduce RSIs and increase productivity; training
- Energy production** Energy systems for industrial handling equipment, factory energy efficiency, energy recovery
- Materials** Surface treatment to improve production tools, mold coatings to boost productivity, materials for reactors, paint durability
- Big data and data analysis for e-services** Optimized data flows for logistics, continuous design and quality control via social networks, quality feedback for purchasing and procurement (inventory optimization)
- Connectivity and protocols** Remote administration of sensor networks and communication protocols
- Data mining and expert systems** Information management and expert systems for more efficient factories

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