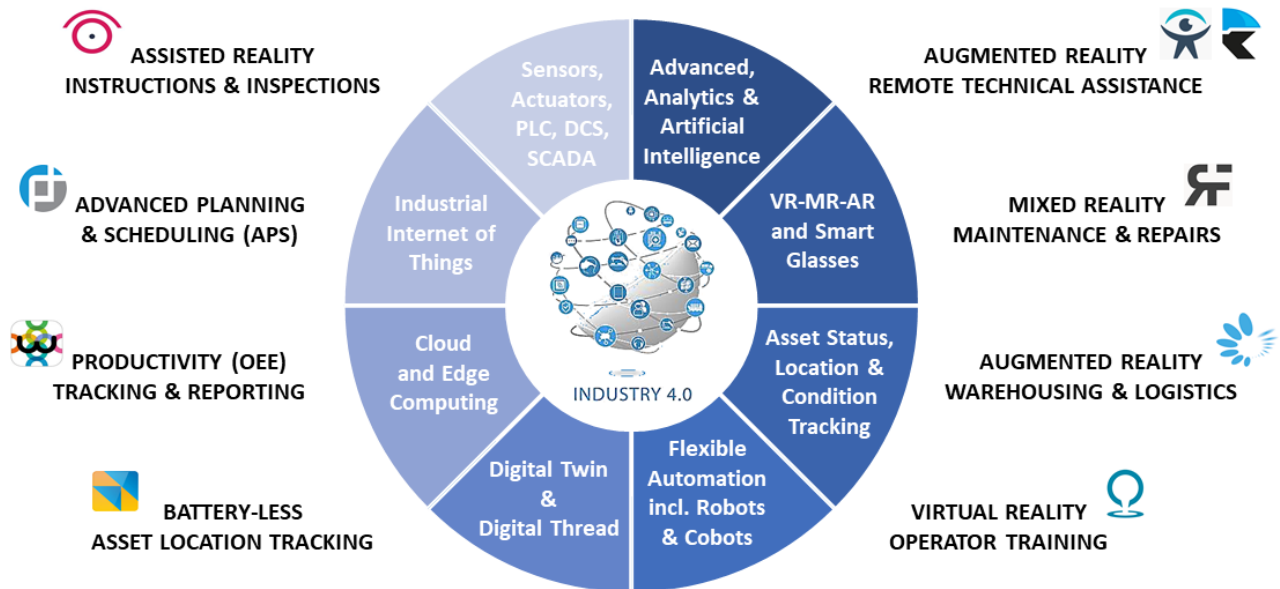# GEMBA SYSTEMS™

Empowering People through Smarter Technologies

To remain competitive, it is critical for companies to keep increasing productivity, ideally through step change improvements in uptime, quality, and performance. This can be achieved by connecting equipment, processes, and people via the Industrial Internet of Things (IIoT), and empowering them with advanced technology-enabled capabilities such as planning & scheduling optimization, manufacturing intelligence, location tracking, and AR/MR/VR tools to support operator training, digital work instructions, remote technical assistance, and more.

Gemba Systems Inc. supports companies in the digitalization of their operations, especially focused on improving their manufacturing execution systems. We help companies navigate the complex and fast-evolving landscape of smart manufacturing and the Industrial Internet of Things. We offer guidance, tools, and hands-on support in the selection and implementation of those industry 4.0 solutions that will best support our clients' most critical business processes, and the people who perform them. See below for our current portfolio of solutions:

ASSISTED REALITY INSTRUCTIONS & INSPECTIONS

ADVANCED PLANNING & SCHEDULING (APS)

PRODUCTIVITY (OEE) TRACKING & REPORTING

BATTERY-LESS ASSET LOCATION TRACKING

AUGMENTED REALITY REMOTE TECHNICAL ASSISTANCE

MIXED REALITY MAINTENANCE & REPAIRS

AUGMENTED REALITY WAREHOUSING & LOGISTICS

VIRTUAL REALITY OPERATOR TRAINING

INDUSTRY 4.0

Sensors, Actuators, PLC, DCS, SCADA

Advanced, Analytics & Artificial Intelligence

Industrial Internet of Things

VR-MR-AR and Smart Glasses

Cloud and Edge Computing

Asset Status, Location & Condition Tracking

Digital Twin & Digital Thread

Flexible Automation incl. Robots & Cobots

ASSISTED REALITY INSTRUCTIONS & INSPECTIONS

Our digital execution platform for work instructions and inspections empowers operators and inspectors with easy step-by-step guidance on mobile devices and smart glasses, significantly improving quality and productivity, assuring compliance, and driving continuous improvement, while dramatically reducing on-the-job training time.

BATTERY-LESS ASSET LOCATION TRACKING

Our asset location tracking system is the only solution on the market globally that can track tools, materials, parts, WIP, equipment and people in 2D+3D space, with 12" accuracy, and using battery-less tags, resulting in significant waste reduction while improving compliance.

AUGMENTED REALITY WAREHOUSING & LOGISTICS

Our unique warehousing solution combines augmented reality (AR), computer vision and artificial intelligence (AI) to empower warehouse workers with intuitive visual instructions on affordable smart glasses, dramatically improving training time, accuracy, and productivity.

PRODUCTIVITY (OEE) TRACKING & REPORTING

Quickly and easily connect any type of -modern or old- equipment for automated reporting on downtime, speed and quality/yield, providing real-time detailed productivity data and actionable insights to react faster, make better decisions, and drive productivity improvements.

MIXED REALITY MAINTENANCE & REPAIRS

Significantly improve productivity and quality of industrial maintenance and repair operations through detailed step-by-step instructions, and smart trouble-shooting workflows, projected directly onto the equipment using Microsoft HoloLens technology.

AUGMENTED REALITY REMOTE ASSISTANCE

Our Remote Technical Assistance solutions connect technicians on the shop floor or in the field with remote experts, allowing them to collaborate and share information in real-time and hands-free, improving quality and productivity, without travel time or travel cost.

ADVANCED PLANNING & SCHEDULING (APS)

Our Advanced Planning & Scheduling solution enables fast, flexible and realistic production scheduling and material requirements planning, using advanced optimization, user-friendly interface, and powerful reporting, for significantly better throughput and lead times.

VIRTUAL REALITY OPERATOR TRAINING

Through our VR partners, we can help supplement your existing training methods with a more engaging, safer, less expensive, and more effective way of training your workforce, resulting in faster time-to-productivity, better performance, and higher employee satisfaction.

For more information, please visit www.gemba.systems or reach out to alain@gemba.systems.

GEMBA SYSTEMS