



## PRECAST MANUFACTURING SOLUTIONS

Our powerful and easy-to-use suite of solutions for the precast and construction industries drives efficiencies, eliminates mistakes, speeds up the end-to-end processing, facilitates information flow and communication between all parties involved and makes 3D information accessible and usable where it matters most.

### Main Features

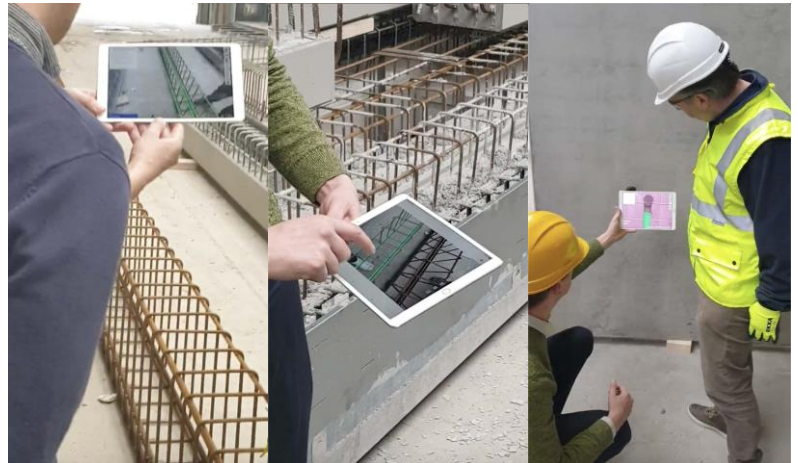
#### AR Mapper and AR Check

- Prepare 3D models automatically, dividing up large and complex BIM models into manageable & viewable spaces
- View 3D rebar models with iPad and/or Microsoft HoloLens
- Match precise positioning of 3D model overlay
- Select and switch different layers on or off
- Bring up all relevant design information with a simple click (materials, joints, welds, etc.)
- Work through step-by-step checklists, one layer at a time
- Easily spot issues by comparing actual against plan in 3D
- Screenshots with annotation, messaging, reporting, etc.
- Factory workflow integration for quality checklists, approvals, invoicing, etc.
- Implement end-to-end workflows from design to invoicing
- Easy integration with existing BIM ecosystem
- Automation, integration, digital transfer, storage, retrieval, analysis and optimization

#### Immo Touch

- Industry-grade and highly robust, dust, water, and scratch-proof high resolution and large (e.g. 42") touch screen to easily interact with drawings and 3D objects on the shop floor.

### Industry 4.0 for Precast Concrete



### Benefits

**Easier and faster production:** Transform construction in a 'what you see is what you build', where construction workers are shown precisely where to place elements without having to refer to paper documentation

**Easy and fast quality checks:** Decrease mistakes, as 3D design or construction models are aligned with real objects in the physical world

**Facilitate information flow and communication:** Fast and efficient, traceable communication and feedback about mistakes or remarks between all parties involved

**Increase worker satisfaction:** By providing access to 3D information where it matters most with less training or skills necessary

**Drive efficiencies:** Shorten project schedules, and bring down costs, resulting in increased profitability and improved customer satisfaction

Get much closer to a **truly paperless factory!**

# About Gemba Systems Inc.

Gemba Systems Inc. supports manufacturing 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 technologies that will best support our clients' most critical business processes, and the people who perform them.



## People

Our expert team will guide you through your digital transformation and operational excellence journey with the following services:

- Digital strategy development and execution support
- Needs assessment and opportunity prioritization
- Cost / benefit analysis, ROI assessment, and project justification
- Functional specifications development
- Vendor selection
- System implementation and integration
- User training and support
- Project planning and execution support



## Processes

Gemba Systems will help you achieve your digitization, digital transformation, and operational excellence goals by implementing effective and efficient processes that deliver the best total return and realize the intended value of your solutions, from planning and assessment through testing, deployment, operation, and continuous improvement.



## Technology

Gemba Systems Inc. offers guidance, tools, and hands-on support in the selection and implementation of proven or promising Industry 4.0 technologies, such as augmented reality (for digital work instructions and inspections, remote technical assistance or warehousing operations), real-time asset location tracking, productivity (OEE) reporting, advanced planning and scheduling, and more.

For more information, please visit [www.gemba.systems](http://www.gemba.systems) or contact us at [alain@gemba.systems](mailto:alain@gemba.systems).