

AUGMENTED REALITY (AR)

In training, safety, manufacturing operational excellence and logistics' within the Bioeconomy and Chemical sectors

BIOECONOMY IN THE ERA OF DIGITALIZATION WEBINAR

Increase **efficiency** and **safety** of industrial tasks performed by frontline workers

ABOUT US

GLARTEK

A new reality for an Augmented & Connected Worker

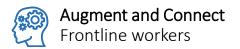


About us

We increase operations' efficiency, safety and competitiveness through an augmented and connected workforce.

- Founded in 2017
- More than 25+ employees
- €1.5M funding in 2019
- 20+ tier 1 customers manufacturing, asset-intensive and field services
- Tier 1 partners
- Award wining and multiple R&D EU and US projects
- ISO 27001







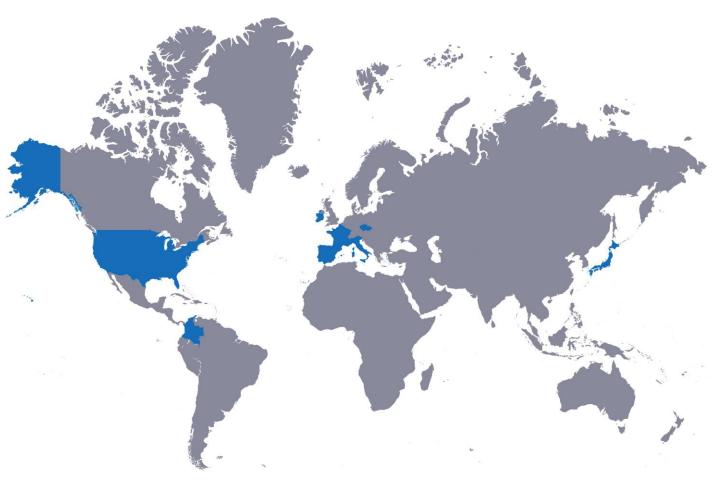






ACHIEVEMENTS

Our technology worlwide achievements



20+ projects

More than 20 customers worldwide with a diversity of different projects from different industries.

7+ industries

We operate in more than 7 different industries, proving the wide usability of our solutions.

3.000

One client with more than 3 thousand technicians supported by digital tools to optimize operations.





CUSTOMERS USE CASE

Our approach to a new training reality: A team with higher capabilities, requiring less training



3/7/2022



Increasing workers' skills to decrease training needs

The Augmented & Connected worker platform allows your team to be able to execute any task without training.

SAFETY



Real-time guidance and contextual data for a more aware worker

AR displays contextual data through a see-through allowing workers to be aware of their environment.

OPERATIONS



Leading companies to operational excellence

Safety measures ensured, evidences and analytics automatically extracted from operations lead any company to success.





TRUSTED BY

Our most notable clients & partners







































CASE STUDY



Case Study

Bondalti Preventive Inspections

It is the largest Portuguese group in the Chemical Industry sector, operating in two business units: Industrial Chemicals and Nanomaterials.

CHALLENGES

- 1. Paper-based inspections
- 2. Guidance data located far from equipment
- 3. No digital tools to perform inspections with hands-free
- 4. High risk operations due to chemical environment
- 5. No help when problems occur
- 6. Employees unreachable and have safety concerns

APPROACH

- 1. Digitized inspection & Integration with SAP
- 2. Front-line workers guidance through 2D and Augmented Reality (AR) to ensure workers safety
- 3. Real-time operations management and monitoring
- 4. Visual Remote Assistance to help employees and increase safety

RESULTS

57%

Decreased downtime

5%

Productivity increase

0%

Front-line workers error rate 2x

Faster training to new workers

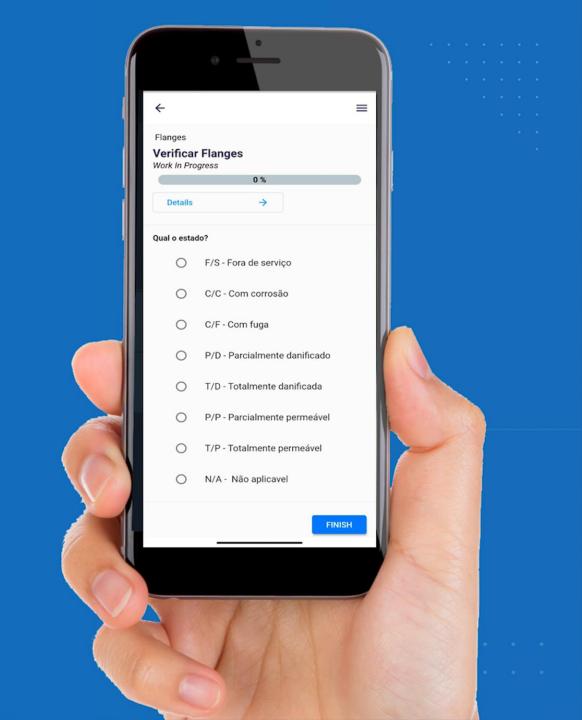


PREVENTIVE INSPECTION

From Paper to Digital with Augmented Reality









OTHER USE CASES

Use Cases

Main use cases in which our solutions have a added-value





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Maintenance	Production	Safety	Audits / Quality	Supply Chain	Assistance
Preventive	Work Instructions	LOTO	5S	Part Picking	Problem reporting
Corrective	Checklists	Cleaning	PDCA	Material Inspection	Maintenance
Autonomous	Changeovers	Routines	Inspections	Line Supply	Repair remote assistance
Predictive	Metrics	Accident Handling	Behaviour	Waste Controls	Installations/setup
	SMEDs		Preventive Audits		

Operations and Training







A new digital era for the chemical sector

Digital operations are the new reality to address industry and keep competitive



OPTIMIZED PRODUCTION

IIoT, advanced analytics, predictive maintenance



SUPPLY CHAIN VISIBILITY

Increased visibility of supply chain activities.



OPERATIONS REMOTE SUPPORT

Visual Remote Assistance and Digital Twins of operations.



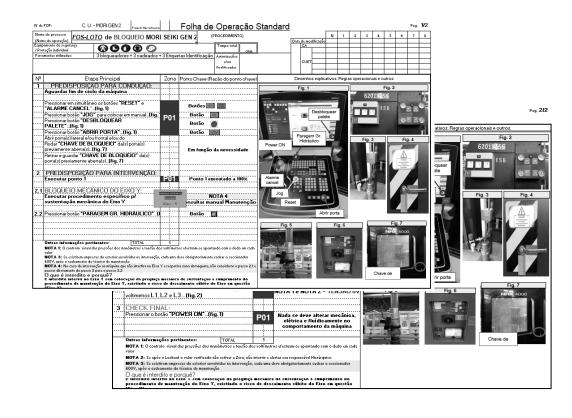
SAFETY, COMPLIANCE, & SUSTAINABILITY

Safety profile, emissions & dangers, accurate audit trail



Our customers' lives before Glartek

Paper-based processes and unefficient frontline teams



Paper-based processes

All operations checklists and support guides are specified in paper sheets, often far away from the execution place.

Long training

Not aligned with company values, with low morale, no communication, no recognition and no training.

Increased risk

Human errors, missing tools and outdated information for an efficient and safe operation with no reputation risk.





The solution

A more efficient and safe team supported by Digital tools

Augmented & Connected Worker

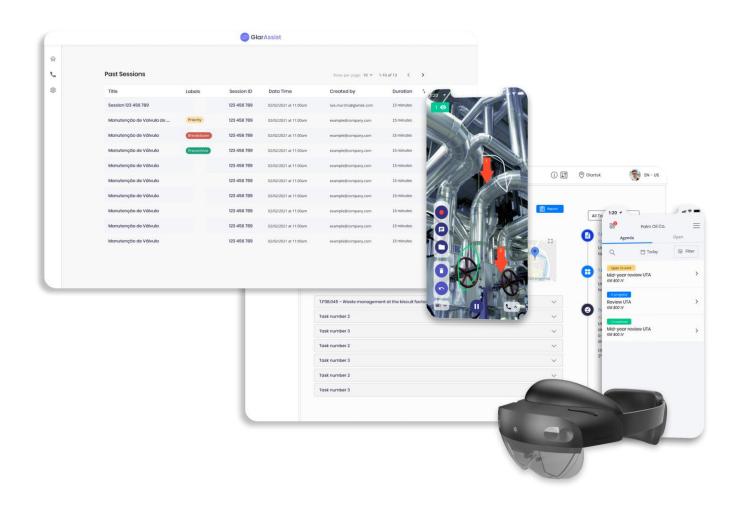
Digital processes enabling 2D and Augmented Reality (AR) mobility, with customizable workflows and checklists

Visual Remote Assistance

Hands-free video calling with experts to guide a process execution, highlighting objects with live annotations

Operational Excellence

An augmented and connected frontline team, and managers, supported by industry leading digital tools.





Characteristics of the software

Making chemical leaders daily lives safer with no code, customizable digitalization platform



NO CODE

A digitalization platform that does not require any programmer to maintain it.



CUSTOMIZATION

A customizable workflow design system that can be adapted to any need.



DATA COMPLIANCE

Secure and easy to collect, use, store and manage data.



FAST DEPLOYMENT

We work with on-premises deployment to ensure maximum adaptability.



SAFETY & SECURITY

The app enables a safety-first environment for your team.



CYBER-SECURITY

Compliant with the most relevant data security certifications, such as ISO 27001.









Customer Proof Points

A new way digital strategy to thrive in the Industry

3%

Production Increase

Automotive manufacturer increased parts output and increase efficiency.

25%

Fewer People

Utilities company reduced number of technicians and shadowing.

Zero

Error Rate

Paper & Pulp company guaranteed full compliance and error free safety tasks.

2x

Faster Training

Food & Beverage company trained faster compared to traditional methods.

20%

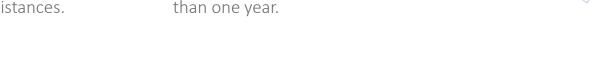
Fewer Unplanned Trips

Field services company reduce field dispatches and on-site assistances.

80%

Full Payback in First Year

Most customers have positive ROI in less than one year.











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