

Finerge Achieves 35% Faster Decision-Making and Planning using Glartek's Connected Worker Solution

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Background

Established in 1996, Finerge is one of the largest renewable energy producers in Portugal. The company operates numerous wind farms across Portugal and has an ever growing presence in the renewable energy sector. Its portfolio includes not only wind power but also solar energy, contributing significantly to Portugal's sustainability and clean energy goals.

Finerge has invested in innovative technologies to optimize energy production and management, making it a key player in the country's transition to renewable energy sources. As a forward-looking company, Finerge is committed to expanding its green energy capacity while increasing its operational efficiency and ensuring the safety of its workforce.



Finerge operates approximately **89 wind farms, 17 solar farms**, and around **900 wind turbines**, being one of the largest renewable energy producers in Europe.

Challenge

As a result of the growth Finerge has experienced in recent years, it felt the need to accelerate the digitization of company's operations. Before adopting Glartek's solution, the company faced a number of operational challenges that affected its overall efficiency:

- Lack of a centralized solution to manage operations, teams, and assets
- Long and time-consuming work reports to keep teams up to date
- Poor communication between teams based on emails and phone calls
- Lack of an inventory system with all the assets components
- Difficult access to maintenance history and technical documentation

Managing all this information across different systems and several sites resulted in delays, miscommunication, and operational inefficiencies. It was necessary to have a solution that would **centralize the management of operations, teams, contracts and fleets** and provide easy access to operational files and asset inventory.

Solution

The solution focused on centralizing data, digitizing processes, and enhancing frontline worker capabilities to help digitize and connect field operations across several locations.

Centralized Backoffice Platform

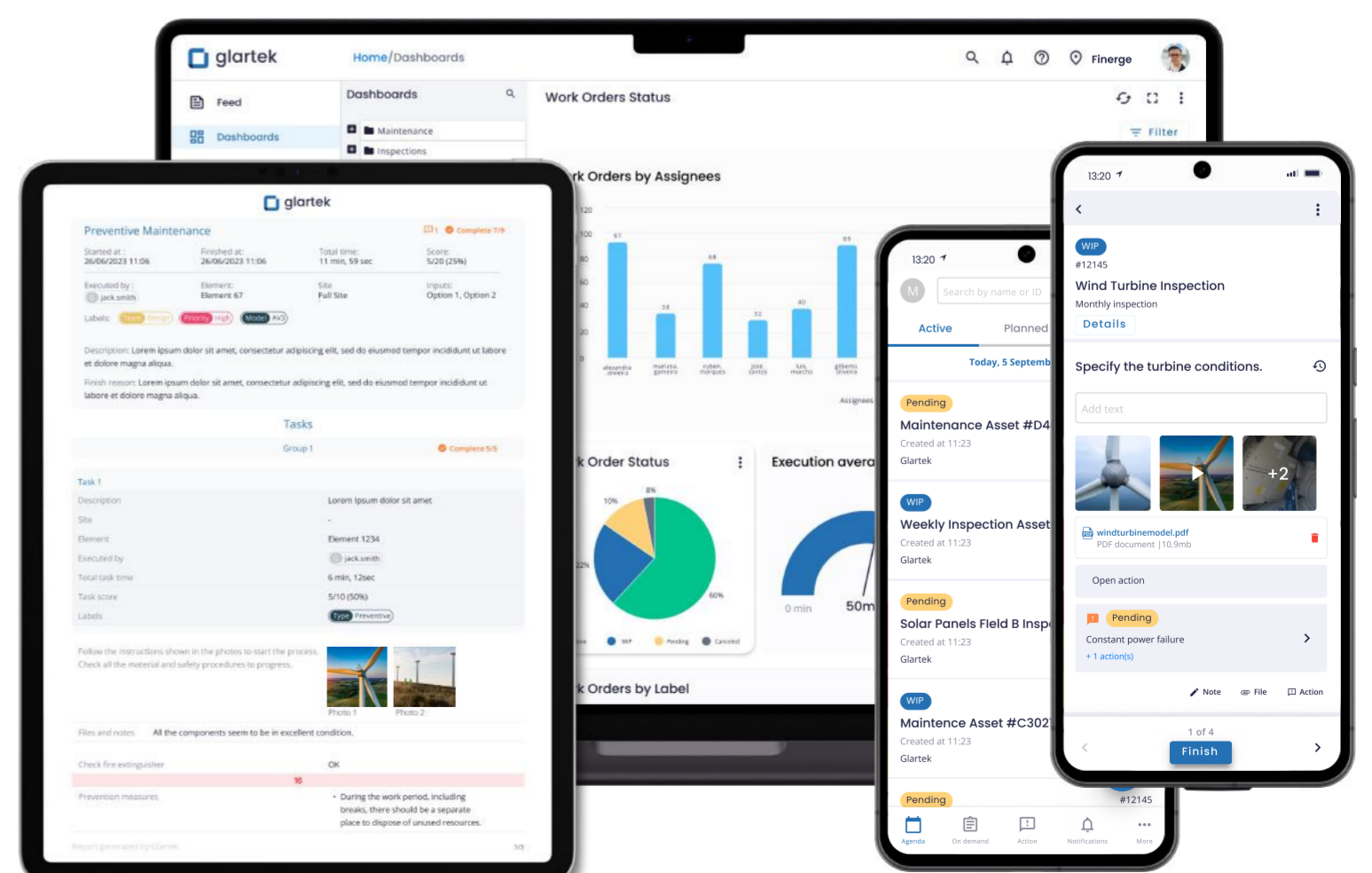
All-in-one platform for asset management, stock management, team planning, scheduling, and real-time monitoring of frontline workers. The solution connects with internal systems (**ERP, fleets, meteorological, and geolocation platforms**) to unify operations, allowing managing equipment, contracts, stocks, fleets, team times, and performance indicators. This solution also allows teams to access updated asset data, technical files, maintenance history, inspection reports, and inventory levels in real time.

Routines and Work Instructions Digitalization

Wind turbines inspections, assets maintenance, quality and safety checklists, and transformers **LOTOTO procedures** were fully digitized. This provides field workers with standardized work instructions, reducing errors and ensuring compliance with safety standards. Due to digital tracking capabilities, it also enables work orders updates in real time that supervisors can monitor.

Mobility Application

A mobile application equips frontline workers with immediate access to work orders, work instructions, asset information, and records to streamline execution anywhere. It also provides easy communication and collaboration with other team members and specialists, allowing for quicker response times by reducing travel costs and the dependency on back-office coordination.



Results



27%

Decrease in asset downtime



35%

Faster decision making and planning



12%

Increase in workforce productivity



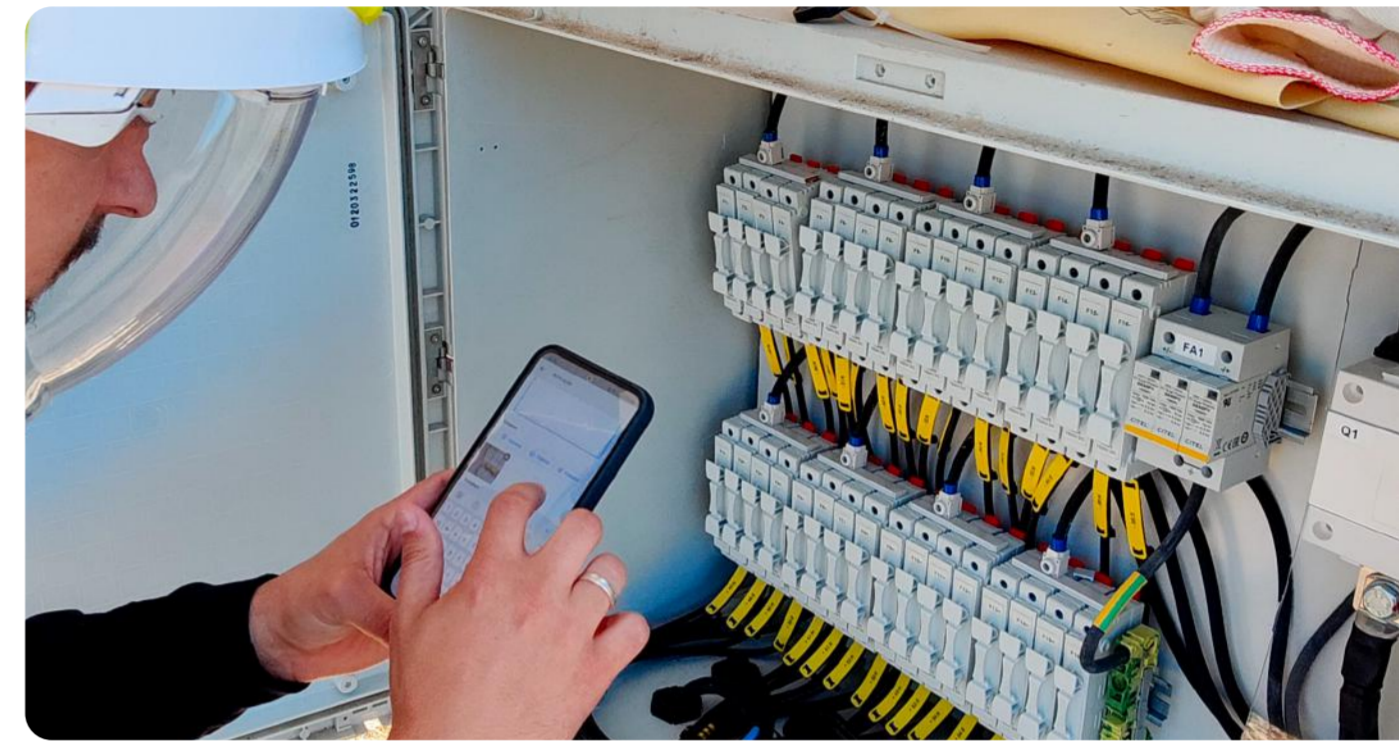
0%

Frontline workers' error rate

Next Steps

Finerge is currently evaluating the possibility of introducing Glartek's digital solution in other departments to manage the complete lifecycle of assets and to better manage the skills of frontline workers.

- **Extend** the Connected worker solution to other procedures
- **Manage** frontline workers skills
- **Adapt** the solution to other departments



Conclusion

Glartek's solution provided Finerge with a centralized platform to manage assets, teams, and workflows, creating a seamless bridge between office management and field services teams across facilities. This solution enhanced collaboration and empowered Finerge to better manage and oversee their operations.



Glartek's solution has been an asset to our operations and to our daily needs, both in terms of control and response efficiency. "

- Isaías Ribeiro, Maintenance Management at Finerge

ABOUT US

Founded in 2017, Glartek specializes in Augmented Reality (AR) solutions tailored for the industrial sector. Our core mission revolves around enhancing efficiency and safety within industrial processes. We achieve this by integrating Augmented and Connected Worker technologies, providing visibility, optimization tools, and reassurance for frontline workers. Our focus is on improving industrial efficiency and safety for frontline workers while fostering a culture of Continuous Improvement to drive Operational Excellence. Our customer base is diverse, ranging from asset-intensive companies like EDP to manufacturing firms such as Renault.



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