



MAINTENANCE

AppSheet

Presented by:

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<https://sunnybotics.com/>

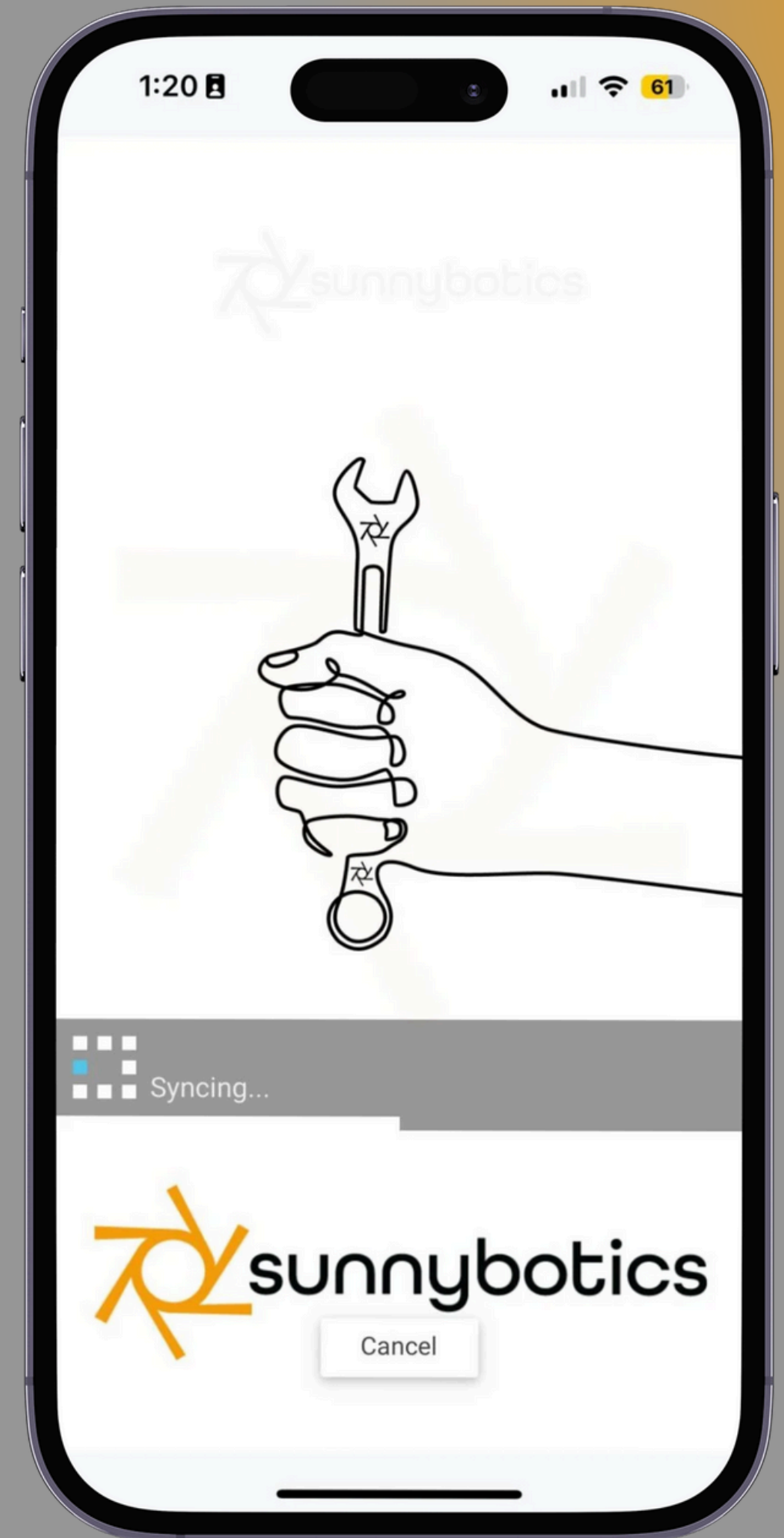




MAINTENANCE

ABOUT THE APP

Application created in AppSheet that fulfills the requirements of the requesting area, allowing work orders, filling out the documentation of inspections, autonomous and preventive maintenance to SUNNYBOTICS active equipment.



MAINTENANCE

OBJECTIVE

General Objective.

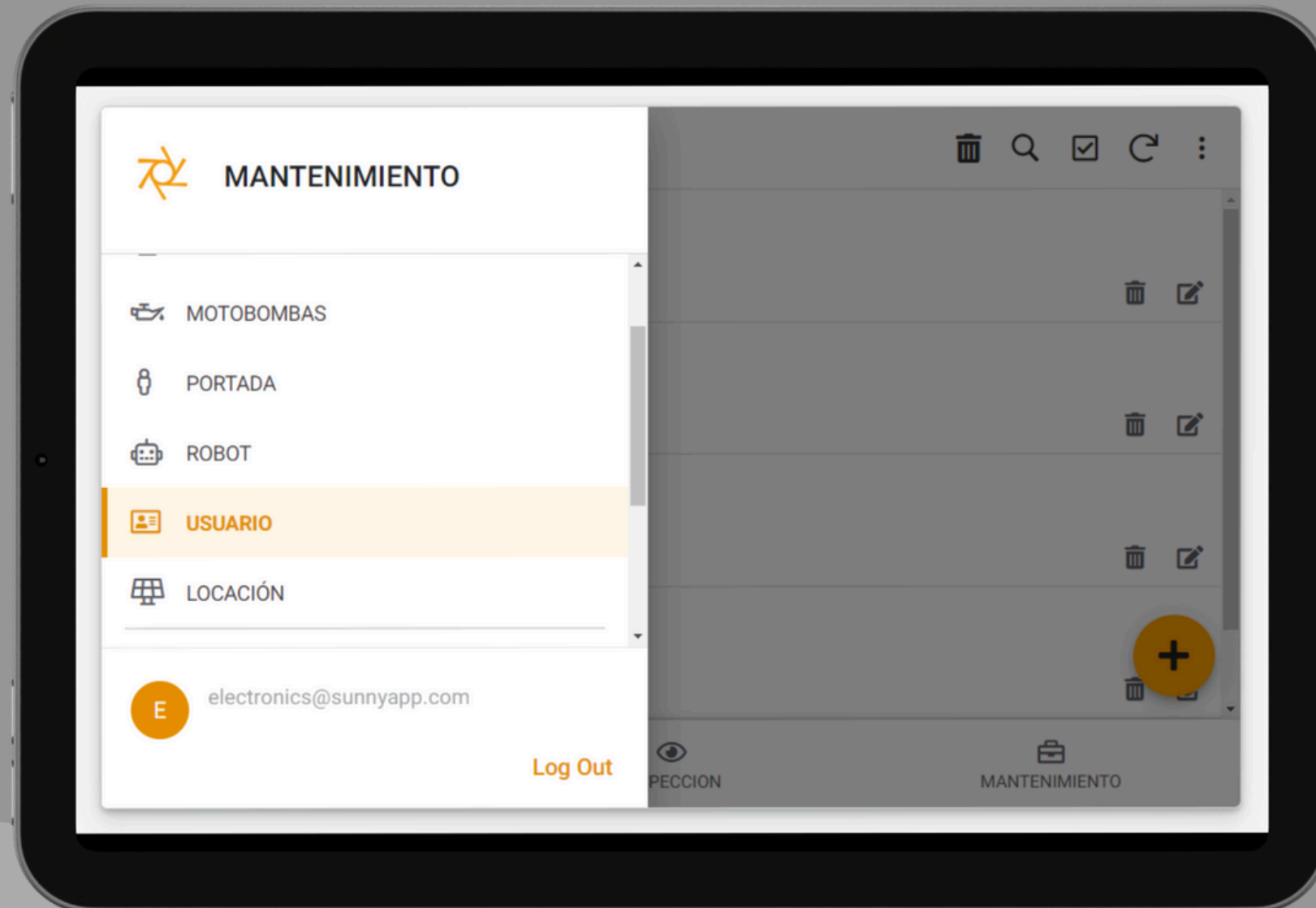
To develop an AppSheet application to efficiently manage the recording, tracking and analysis of equipment maintenance activities, ensuring traceability of inspections and effective monitoring of equipment status.

Specific objectives

- Implement a module to record detailed maintenance activities, including type, date, technician, and observations.
- Create functionality to record activities, generate control over tasks and inspections performed.
- Develop a function to generate and download PDF reports with details of work orders, allowing the creation and planning of equipment maintenance.

MAINTENANCE

HOW DOES IT WORK?



The developed application manages the maintenance of robotic equipment through a comprehensive logging and tracking system.

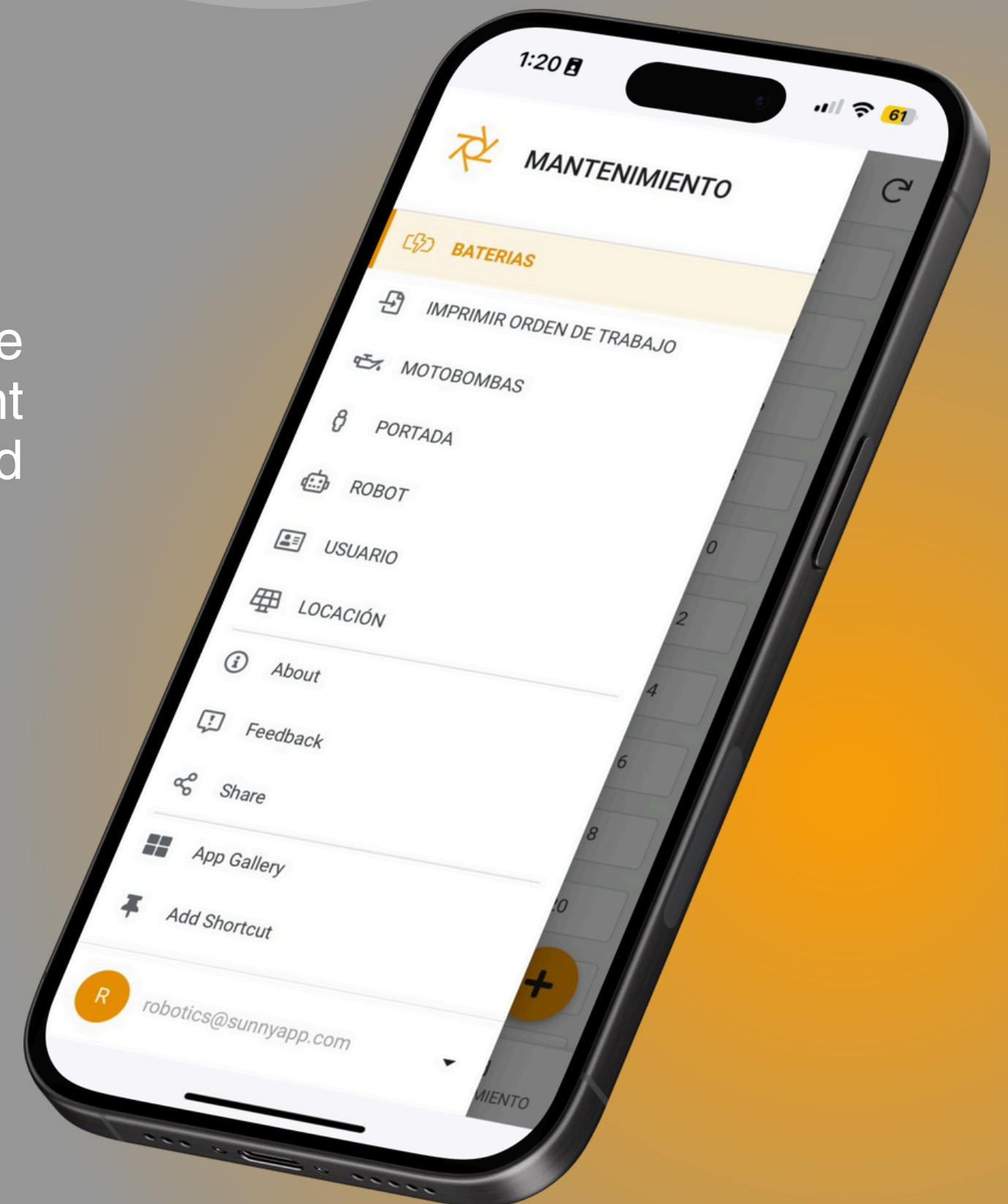
It allows users to record maintenance activities with key details and observations.

The application ensures traceability and facilitates maintenance planning through an intuitive and accessible interface.

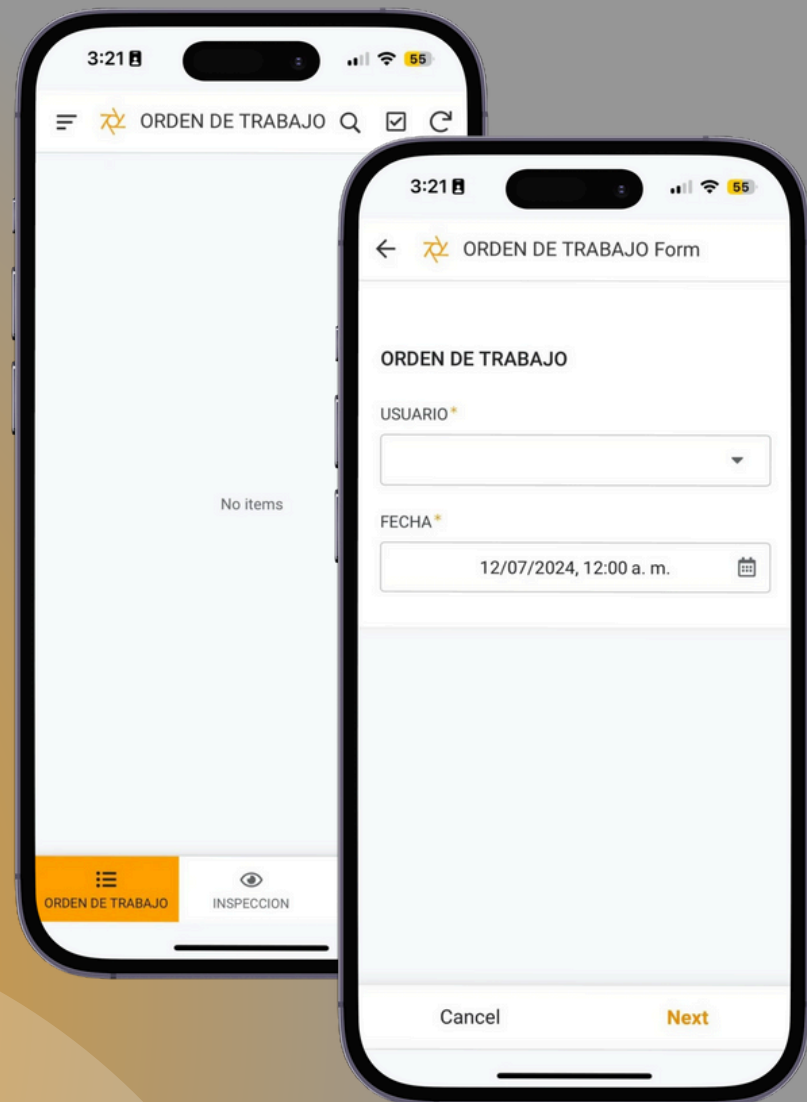
FUNCTIONALITIES

The application includes several equipment maintenance sections. Each section is designed to ensure efficient management and accurate tracking of maintenance and inspections.

- BATTERIES
- PRINT WORK ORDER
- MOTOR PUMPS
- HOME PAGE
- ROBOTS
- USER
- LOCATION

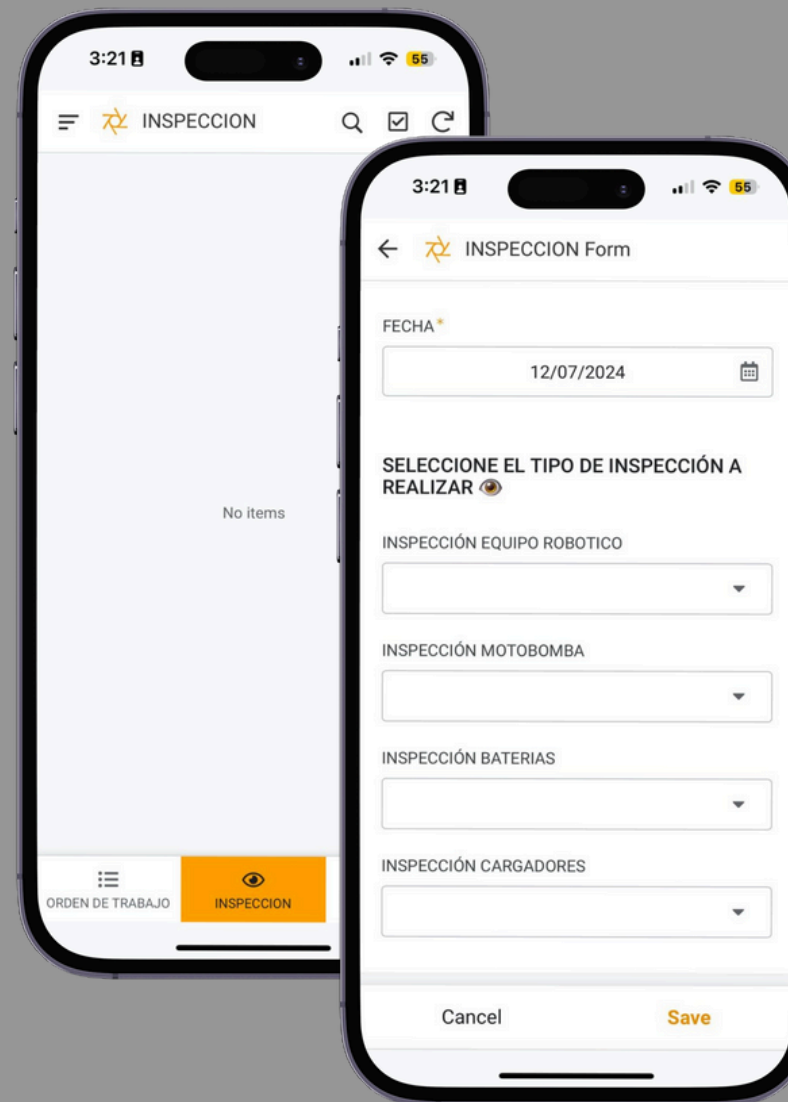


The application has main modules for monitoring and managing work orders, inspections and maintenance. These modules allow the generation and storage of detailed reports on the tasks performed, providing a complete and accurate control of each activity.



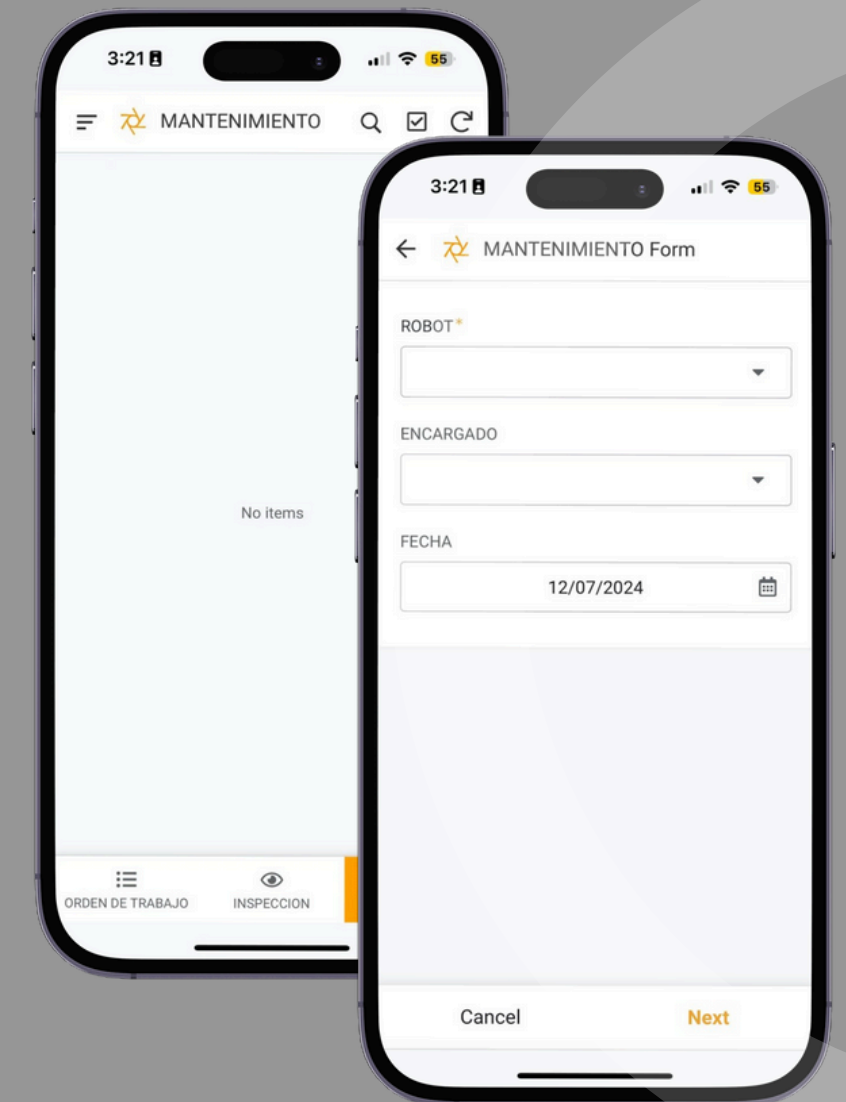
The image shows two overlapping mobile phone screens. The background screen displays the 'ORDEN DE TRABAJO' (Work Order) list view with a 'No items' message. The foreground screen shows the 'ORDEN DE TRABAJO Form' (Work Order Form) with fields for 'USUARIO' (User), 'FECHA' (Date) set to '12/07/2024, 12:00 a. m.', and a bottom bar with 'ORDEN DE TRABAJO' and 'INSPECCION' tabs. The bottom of the form has 'Cancel' and 'Next' buttons.

WORK ORDER



The image shows two overlapping mobile phone screens. The background screen displays the 'INSPECCION' (Inspection) list view with a 'No items' message. The foreground screen shows the 'INSPECCION Form' (Inspection Form) with fields for 'FECHA' (Date) set to '12/07/2024' and a section titled 'SELECCIONE EL TIPO DE INSPECCIÓN A REALIZAR' (Select the type of inspection to perform) with dropdowns for 'INSPECCIÓN EQUIPO ROBOTICO', 'INSPECCIÓN MOTOBOMBA', 'INSPECCIÓN BATERIAS', and 'INSPECCIÓN CARGADORES'. The bottom bar has 'ORDEN DE TRABAJO' and 'INSPECCION' tabs. The bottom of the form has 'Cancel' and 'Save' buttons.

INSPECTION



The image shows two overlapping mobile phone screens. The background screen displays the 'MANTENIMIENTO' (Maintenance) list view with a 'No items' message. The foreground screen shows the 'MANTENIMIENTO Form' (Maintenance Form) with fields for 'ROBOT' (Robot), 'ENCARGADO' (Responsible), and 'FECHA' (Date) set to '12/07/2024'. The bottom bar has 'ORDEN DE TRABAJO' and 'INSPECCION' tabs. The bottom of the form has 'Cancel' and 'Next' buttons.

MAINTENANCE

USERS

- Improved intervention efficiency
- Quick access to information
- Work order generation
- Increased organizational accuracy in planned maintenance



ADVANTAGES

COMPANY

- Full traceability of equipment interventions
- Improved process management
- Cost reduction
- Regulatory compliance



KEY POINTS

- **Efficient maintenance management:** Streamline the recording, tracking, and analysis of maintenance activities for more effective asset management.
- **Complete Traceability:** Ensures traceability of inspections and detailed monitoring of equipment status, making it easier to track equipment history.
- **Detailed Activity Logging:** Implements a module to capture detailed information about each maintenance activity, including type, date, technician, and observations.
- **Improved task and inspection control:** Creation of functionalities that allow tight control over tasks performed and inspections scheduled.

KEY POINTS

- **PDF Report Generation:** Developed the ability to generate and download PDF reports of work order details to facilitate maintenance documentation and planning.
- **Streamlined planning:** Improved ability to plan and coordinate equipment maintenance through accessible and well-organized information.
- **Reduced errors and administrative time:** Process automation that reduces errors and speeds maintenance management, increasing operational efficiency.
- **Centralized access to information:** Consolidate data into a single platform that makes it easier for users to access and update relevant information.

CONCLUSIONS

- **Improved maintenance management:** The application has streamlined the management of maintenance activities, enabling more efficient recording and tracking of work orders, inspections and maintenance.
- **Centralized information:** All relevant information was centralized in a single system, making it easier to access and update data, and improving coordination and communication among users.
- **Automation and Standardization:** Automating processes and standardizing forms reduced errors and administrative time, contributing to greater operational accuracy and efficiency.

CONCLUSIONS

- **Detailed reporting:** The ability to generate and save PDF reports has provided clear and accessible documentation of all activities, facilitating analysis and future planning.
- **Tangible business benefits:** Implementation of the application has resulted in full traceability, improved resource management, reduced operating costs, and more effective regulatory compliance.
- **User satisfaction:** Users have experienced significant improvements in the efficiency and accuracy of data collection, as well as easy access to the information they need to perform their jobs.

