



# FACILITY MANAGEMENT MOBILE APP

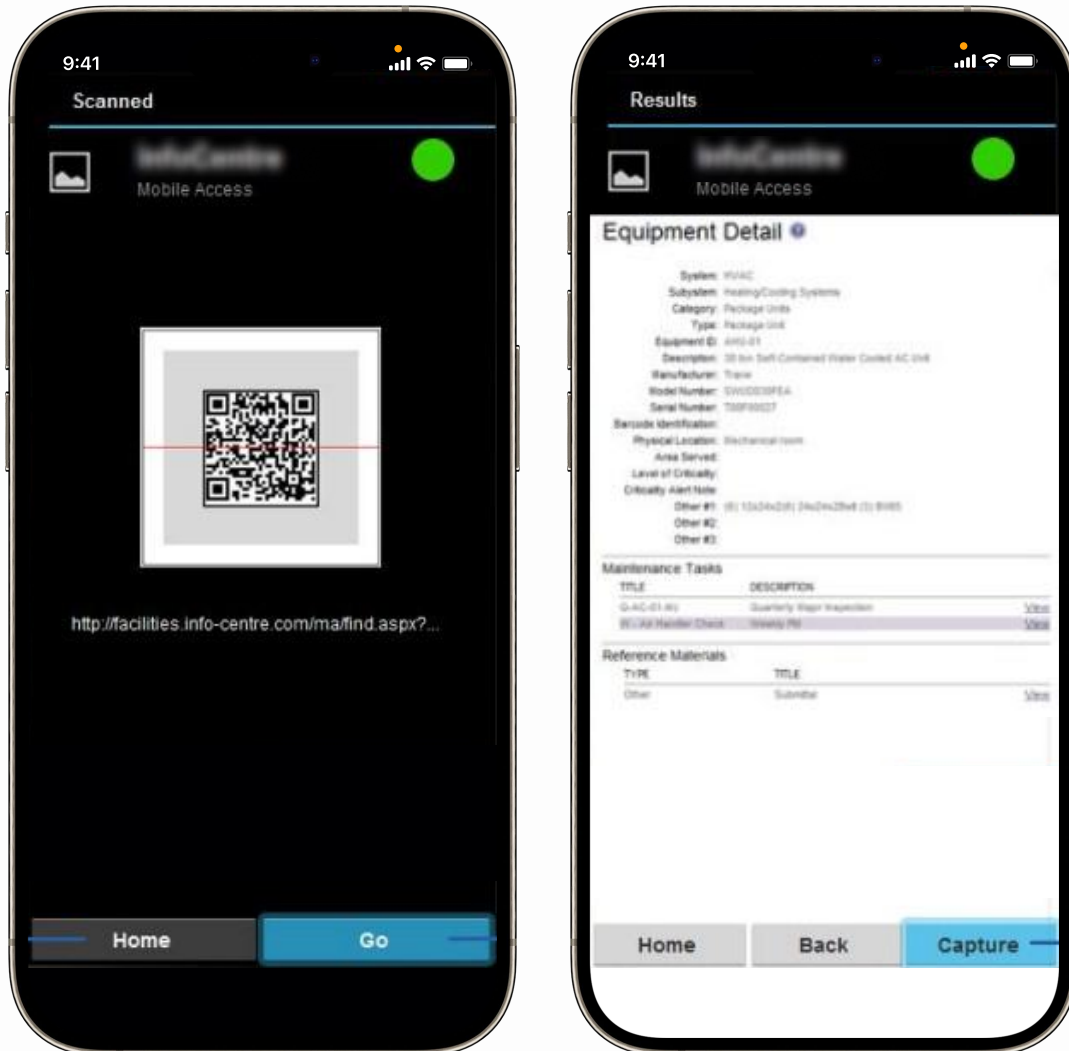
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PROVIDING SOLUTIONS FOR TOMORROW – SINCE 1993

# Project objective

Create an easy-to-use mobile solution for corporate use providing instantaneous access to equipment-related data via QR codes located onsite. Provide reliable connection of the mobile app with the core web app serving as a data storage. Such a solution would streamline the facility maintenance process by enabling onsite engineers to have all service-critical details at hand.



# Result

The developed mobile application allows for the client's engineers to immediately obtain full maintenance information by scanning QR codes from the onsite equipment. It helps hold maintenance at greater efficiency, which subsequently reduced equipment downtime and service costs. This project became ground-breaking for them and paved the way to advanced management and customer interaction opportunities, involving service requests, work orders, and preventative maintenance.

## Scope of work

- ❖ Storyboards and use cases creation, functional requirements updates
- ❖ UI implementation, including loading, home, setup, media capture, results, help, and about screens
- ❖ Open-source barcode reader incorporation
- ❖ Business logic implementation providing authentication, connectivity test, QR codes recognition, data exchange with the core app, media capture, and uploading of data to the backend server
- ❖ The deployment of the device-specific packages through corporate channels
- ❖ Porting the application to the Windows 8 platform to run on Microsoft Surface Pro tablets. Ensuring rear camera connection, HTTP-based data exchange, and web browser control
- ❖ Train sessions with client's personnel on further app modifications

## Activities

- ❖ Requirements definition
- ❖ Storyboards & UI development
- ❖ Software Development
- ❖ Functional Testing
- ❖ Software Porting
- ❖ Private Deployment

# About the project

## Technologies

- ❖ Java
- ❖ Objective-C
- ❖ Eclipse IDE
- ❖ XCode
- ❖ SOAP
- ❖ zBar SDK
- ❖ zXing SDK



## Platform

- ❖ iOS
- ❖ Android

## Project size

- ❖ 1 Business Analyst
- ❖ 1 Software Engineer
- ❖ 1 QA Engineer

## Duration

