

# SAP LIQUID STUDIO FOR LEONARDO APPLICATION: AUGMENTED WAREHOUSE

Warehouse management that sees inside the stock

Function: Warehouse Management | Process: Supply Chain | Industry: Products

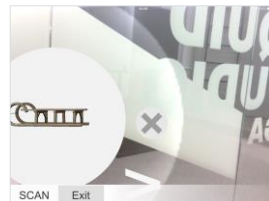
## Application Overview

Warehouse managers often look for ways to reduce the time spent on the picking process for inventory items. Two ways to do this are by enabling better warehouse navigation and by facilitating the inspection of container contents and details.

Augmented Warehouse aims to improve stock management in warehouses by reducing the picking time for items and by leveraging augmented reality for container content inspection. It improves warehouse navigation by using beacon technology and implements augmented reality technology based on Apple AR Kit for iOS 11+ for viewing container contents and details from the SAP back end.

## Solution

Augmented Warehouse is a mobile application that improves warehouse navigation by using beacon technology and implements augmented reality to view container contents and details from the SAP back end.



## Business Value

- Demonstrates iOS usability improvements in a supply chain process.
- Improves stock management in warehouses by reducing the picking time and by leveraging augmented reality for container contents inspection.
- Reduces errors in stock management
- Provides additional details to warehouse managers via mobile device without lengthy search in transactional SAP system.

## Features

- Built on Apple ARKit (based on iOS 11+).
- Provides 3D container content rendering using Unity 3D platform.
- Uses beacon technology for reliable indoor navigation.
- Offers a mobile front end based on SAP Cloud Platform SDK for iOS and SAP Fiori user experience (UX).
- Provides SAP HANA database back-end integration via Cloud Connector.

## Technologies in Use

- SAP Cloud Platform
- SAP Leonardo IoT Services
- SAP Mobility Services
- Unity 3D Platform
- Apple SDK
- SAP Materials Management (MM) *optional*

