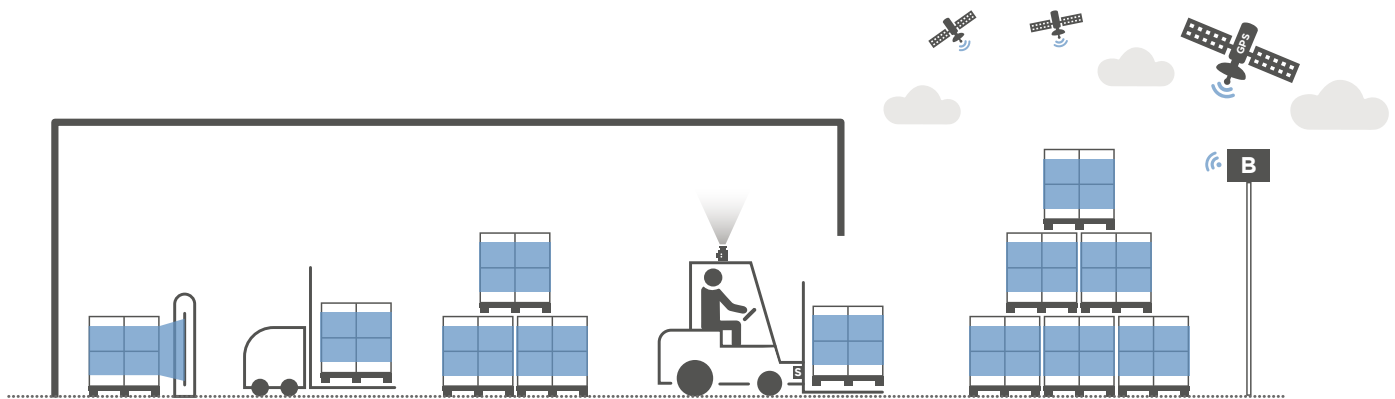


# OnPlant / WMS

## with RTLS technology

On.Plant/WMS Ceramics is the **web-based software** developed by Onit **for the management of logistics in ceramic warehouses** with the help of Real Time Locating System technologies (RTLS). The advantage is to have a tool that offers a **complete and real time vision** of the products present inside and outside the establishment, **managing everything without a barcode scan**.



### Indoor Location

Technology:  
Computer Vision (CV)

Technology that does not require any installation of equipment in the warehouse structure.

To estimate the positioning, a triangulation process is followed based on:

- Dynamic position of the forklifts
- Position of small imperfections or markers present in the ceiling

### Outdoor Location

Technology:  
advanced GPS (GPS-RTK)

RTK Systems estimate a differential position using:

- Fixed GPS base station installed on site (B)
- Receiver installed on the forklift

The information collected by the base station is integrated with data from GPS satellites for greater forklift positioning accuracy.

### Truck equipment

Forklifts are mainly equipped with the following components:

- Camera forklift roof-mounted
- Vehicle-mount tablet
- Sensors (S) on the forks
- Bar code reader for the first (and only) identification of pallets from the end-of-production line

### Benefits

- Increased operator productivity: automated storage and picking **without barcode scan**
- **Reduced errors** (wrong item, missing material, incorrect load) for greater customer satisfaction
- Unique traceability of every pallet: **the exact position** is always known in the **warehouse 3D map**
- **Less broken pallets thanks to zeroing of unnecessary transfers**
- **Reliable inventory by grade/tonality/calibre**: maximum confidence of the commercial segment in materials reservation
- Less incomplete pallets
- Entirely **paper-less and automatic stream of information** for total control of warehouse processes