

## Inventory -Technology 1 – Inwards Goods Management

Inwards Goods Management refers to the processes and systems used to handle and manage the receipt of goods or materials into a manufacturing site. In the DMC use case, inwards goods are received and scanned into the ERP Inventory system by factory staff. The ERP inventory system directs the staff member to the assigned storage location for the goods. Staff then scan the location barcode to confirm the physical location matches the specified location and the employee confirms the goods have been placed in the location.

Pros	Cons
<ul style="list-style-type: none"> <li>Put-away location provided to user.</li> <li>Confirmation of stock placement.</li> <li>Manual consumption of stock can be recorded.</li> </ul>	<ul style="list-style-type: none"> <li>Scanning and visualisation hardware required.</li> <li>Networking and integration to WMS system required.</li> <li>WMS system configuration required.</li> <li>Business process changes and operator training required.</li> </ul>

**Technology Cost range:** \$20,000 - \$100,000, depending on the size and complexity of Inwards Goods, integration into the WMS or ERP and network connectivity.

**DMC Technology Cost:** \$20,000

### DMC Cost Assumptions:

- Limited to single forklift and small Inwards Goods area.
- Known and standardised incoming goods.
- Network connectivity across warehouse is of a high level.
- Internal costs for end user staff involvement have not been included.
- Single design and build iteration.

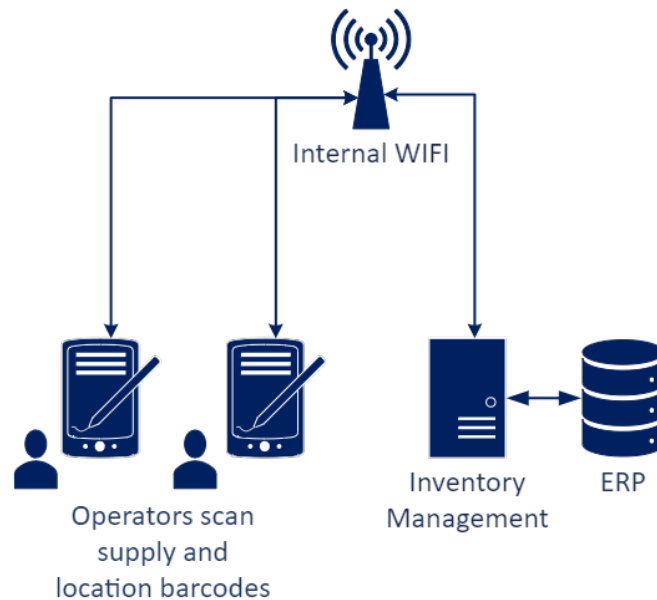
**What situation would this technology usually be adopted in?** No current standardised methods for storage and recall.

**RoI Considerations:** Internal costs of physical layout changes, barcoding, racking, material consolidation, stock checks, software / module implementation costs, hardware (scanners) and training costs for the team

**What skills are required to implement & run this tech?** Logistical / physical layout for warehouse skills, setting up barcodes & scanners, adding / changing locations, updating stock locations and stock numbers after cycle counts.

**Pre-requisites for successful adoption:** pre-determined stock locations, goods have identifying barcodes and agreed business processes.

### Typical Tech Stack



### Who can help with this technology?

- System integrators.
- System vendors.
- Warehouse management solution providers.

### What to google when researching this technology?

'inventory management ERP integration'

'Warehouse Management Systems'