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# AssetTracker Pro Stock Assets

## Flexible, Scalable & Bespoke



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Our framework offers a modern, future proof building block system using tried and tested modules that can be customised to your exact requirements.



## Stock Management System

Our ATP Stock Asset module works by delivering you the best-in-class technology running in the cloud or on premises to ensure your stock asset management is in real-time and on trend.



### Stock Asset Core Features...

- Realtime Stock Management
- Stock re-ordering request system
- Realtime location management
- Interfacing with all healthcare systems via common APIs, eFinance, ECR using HL7, FHIR.



### Stock Asset Core Features...

- Tracking of stock using advanced asset management techniques
- Capacity growth for future expansion
- Standard & bespoke reporting
- Customised dashboards for stock overviews

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### ...example data captured

- Device Name
- Serial Number and/or Lot Number
- Device Model
- Manufacture Name, Address & Website
- Software Identification
- Expiration Date
- Manufacturing Date
- Issuing Provider
- Package Quantity
- Product catalogue numbers
- Additional label indicators

## Asset Standards & Compliance

Our software is fully compliant with the latest regulations to ensure all products housed within the stock management system follow GTIN and UDI markings.

This ensures the information captured is relevant and meaningful to the responsible person using the system.

All of our products capture a wealth of information taken from your own asset stores or UDI services like EUDAMED & AccessGUDID.



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Our ATP Stock Asset product is part of our framework family and is split into many different modules covering areas such as: asset management, procurement, invoicing and many more.

### Realtime stock management

ATP Stock Assets allows the user to update the system using various methods, ensuring stock levels are accurately adjusted in real time via a Desktop Application (Windows 10+), a Mobile App (Android 7+ or iOS 11+) or website. We can do this though the use of APIs (to internal and external data sources), via common HL7 interfacing, preference card systems or government/standard agencies to manage recalled assets.

### How would this work?

We can offer a range of devices to run the ATP Stock Asset application, and we're happy to use "mixed" environments where some users can use a desktop PC in combination with a mobile device.

ATP can communicate between all these devices using the same database, and so long as you have a connection to your network (LAN, Wi-Fi or Cellular), ATP can update asset positions in real-time!

We've simplified a scenario below to outline the main points of contact for stock assert management to give you a general idea of how the process could work.

During the planning phase, our installation team will have covered this process in more detail with you and will re-configure our framework to match your unique stock room layout (bays, shelves etc) adhering to your standard operating practices.

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### Example Scenario...

In a non-stock tracked request for a procedure, a request is raised from the inpatient system and stock is physically checked and validated that it's present for the procedure.

Using our system, the same request comes in electronically via an API or HL7 to check stock levels.

- 1 Request for stock made over HL7 or other standard interfacing from a 3rd party system
- 2 ATP checks the stock levels & sends information back over HL7 or other API interface

An example of information returned could be:

- Total stock in inventory for product called
- Location/s of stock held

- 3 We then:
  - Check the location where the request is coming from
  - Read all the stock in every store location
  - Applies FEFO/FIFO rules (to ensure no wastage)
  - Presents the user with the location of the stock item

- 4 Stock is then collected by the user

- 5 The system adjusts the quantity of stock held, either by adjustment directly through ATP or interfacing via 3rd Party system



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Managing your stock is more than just adding assets, you need to categorise them, assign properties such as expiry and cycle use, to name just a few. ATP allows you to customise those properties on a per asset or group basis.

## Stock Re-ordering request system

The stock reordering system works by setting minimum stock levels for groups or individual assets. When “hit” via stock reduction events, we can trigger notifications to inform users when new stock should be ordered. Stock levels and triggers can be added and edited via the management web interface at any time, we even audit previous values set for reporting purposes.

In doing this, efficient stock is maintained for distribution and reduces risks to procedures and patients through inert supply shortages. Stock reordering can be actioned in many ways, but the two most common examples are outlined below.



### Manual Stock Re-Supply

- 1 User receives a report from the system highlighting low stock levels or has been informed to increase stock levels on certain products.
- 2 User searches for the product, by scanning one of the existing products for a match or selects from the electronic catalogue.
- 3 User enters product quantity.
- 4 Users clicks submit.
- 5 System sends request for stock to e-finance for approval using interface (HL7 etc) or email from generated request.



### Automatic Stock Re-Supply

- 1 Stock is used and ATP is informed via API / HL7 etc.
- 2 System adjusts stock levels in the ATP stock store.
- 3 System generates a resupply order for replacement.
- 4 System sends request to procurement system for re-supply.
- 5 System generates a report of stock used and what locations stock used from. Optional notifications can be sent to users.



### Replenishing physical stock with ATP Stock Assets

When stock is received you would generally know where to store it via the physical bays, shelves, rows etc. within your own store room. ATP has the same locations mapped within your framework configuration. It can capture assets with no location assigned and ask where you want to store them, reducing lost assets.

#### Replacement stock arrives (known location)

- 1 User receives stock.
- 2 User scans first stock item.
- 3 System identifies the product (this is done from a product catalogue or through MDR device catalogues) and informs user what location (shelf, tray, bay, row) to store it.
- 4 System adjusts stock quantity held on system.

#### Replacement stock arrives (unknown location)

- 1 User receives stock .
- 2 User scans first stock item.
- 3 System identifies product from catalogue / MDR interface, but **no location** is found for the asset.
- 4 User assigns asset to one of your locations.
- 5 Asset type & location is recorded for future reference and stock data is updated.

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Utilise modern technology and data patterns to extract the hidden potential of real-time data created by modern and legacy systems. ATP can wrap your data into containers and report on it via our web dashboards, giving you access to your data at your fingertips.



### Where's my assets...?

If a user wants to understand quantities of stock and the locations they reside, the system allows the user to select any product from the system.

- 1 Total stock quantity.
- 2 Location of stock high level or granular views.
- 3 Stock breach points based on FEFO or FIFO.
- 4 Current stock in use (and where).
- 5 Stock on order.
- 6 Stock retired / recalled.
- 7 Stock nearing expiry.

### Realtime location management

ATP monitors stock in real-time allowing the user to see where their inventoried items are at any time. If a user is on the same network as the stock management system or connected through a remote authorised means, then they can follow the real-time location of stock.

Adding additional technologies to the tangible assets and locations, such as portable stock trolleys, it's possible to tag these items with additional hardware like RFID (Radio Frequency Identification Devices) and NFC (Near Field Communications) along with 2D barcodes, to provide real-time physical direction of stock as these items move around departments.

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### Interfacing inside & out

At the heart of our stock management system is interfacing.

Our own products interface with each other using API's and our system in turn interfaces with other clinical systems to provide complete virtual hospital experiences.

Using HL7, a trusted healthcare interface, we are striving to ensure forward and backward compatibility with legacy, current and emerging systems.

Using these standards allows our system to feed in and out information which grows with the service and allows for demand driven capacity at a healthcare level.



### Virtual mirroring physical.

Integrating with HL7, FHIR & API's technologies allows us to incorporate and interface with 99.9% of management, clinical and support systems.

- > Inpatient clinical systems.
- > Preference card implant system.
- > National joint registry.
- > Waste and disposal systems.
- > GPS tracking systems.
- > Our own products, such as the ATP Stock Asset application.
- > And many more...

