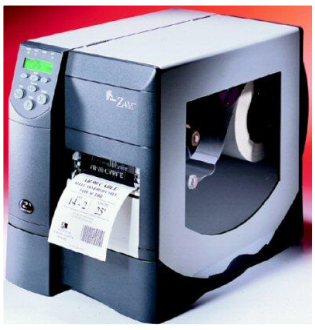
GRANITE
WAREHOUSE MANAGEMENT

EXPOSE your warehouse with GRANITE for SAGE PASTEL EVOLUTION



Sage Evolution
by Sage Pastel

Cradle
Technology Services

Granite for EVOLUTION delivers controlled processes, stock accuracy, accurate error free transactions and an unparalleled ease of transacting. It brings your EVOLUTION inventory picture alive.

Granite Warehouse Management for Evolution recognizes a requirement for a simple barcode based warehouse execution and management system that integrates into Sage Evolution seamlessly. It expands on and EXPOSES our warehouse operations and processes, all the while, keeping EVOLUTION inventory accurate.

Designed for Barcoding

The Granite system is developed by a team that specialized in barcode systems. It has scanning processes at its core, ensuring that each user interaction is simple, efficient and embraces scanning before typing.

Simple to implement

Granite embraces best practices but more importantly, keeps everything simple. Restricting complexity has the amazing effect of reducing implementation time and effort –reducing your project cost and time.

Best functional fit

Most warehouse management systems cost millions. These systems have their place in corporate distribution centers and huge warehouses. However, in countless cases, the wealth of functionality available in these systems just goes to waste as few companies are sophisticated enough to utilize it. Our reasoning –why pay for stuff you will never need. Granite is sized to meet the majority of standard warehouse requirements. It does not suffer from functional bloat.

Cost effective

Granite helps companies manage their warehouses. We do not want to impose restrictive business rules on your operators and we certainly do not want to reduce your ability to deliver goods rapidly and effectively from your warehouse. The resulting product is a lean, barcode driven warehouse execution and management system that can be implemented rapidly and does not cost more than a safe family car, and certainly far less than a Ferrari.

Saves you time and money

Once properly implemented, Granite reduces time spent on Stock take, reduces time spent on picking and more importantly, accuracy is improved through immediate, live validation.
Granite ensures that you can find your stock and stock that is well managed saves money in additional stock and time to process inventory transactions. Accuracy in picking reduces credit notes and ensures happy customers.

Provides process visibility

Properly implemented processes combined with labeling, scanning and process visibility via online processing ensure visibility.

Master files

- Users are managed and given access to certain functions
- Locations ,bins, warehouse areas, and receiving areas are maintained
- Categories and Types can be defined and linked to locations, master items or even Tracking entities for reporting
- Master Items are imported from the EVOLUTION system and then managed in Granite, maintaining warehouse specific data such as pickface location, replenishment levels and how items are managed in the warehouse software.

Labelling

- Granite includes the Bartender label printing suite of software.
- Labels are supplied for Bin/Location Labels
- Tracking entity BOX, Carton or Pallet Labels
- Bartender can also be used to print product labels and other labels that may be required by the company

Receiving

- Adhoc Receiving using any reference, creating an Inventory Receipt
- Purchase order receiving using an EVOLUTION purchase order and generating an EVOLUTION GRN
- Create a new Tracking Entity or add to an existing tracking entity
- Specify LOTS, EXPIRY DATES or SERIAL NUMBERS
- Access to user defined fields that can be entered for a tracking entity

Stock Management

- Adjust quantities on Tracking entities and perform adjustments in EVOLUTION
- Manage optional fields on Tracking entities
- Return to Stock, Scrap, Quarantine/QC Hold
- Replenish pick face, move Tracking entities between locations
- Stocktake and cycle counting with integration to EVOLUTION stocktake

Picking

- Sales orders entered on EVOLUTION and integration pulls them to Granite
- Sales orders are released for picking and a pick slip is printed.
- Picker uses scanner to perform the pick, validating items as he picks
- Sales order progress view shows live picking activity graphically
- Once complete, the picker concludes the pick and EVOLUTION is updated, a shipment is created, ready to invoice.

Reporting

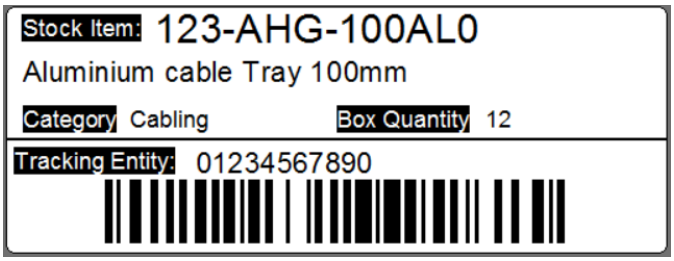
- Granite includes standard reports such as Inventory detail and summary
- Receiving and picking progress reports are live and graphical to monitor activity
- Early warning reports are available showing stock discrepancies, lines not picked, stock due to expire and replenishment requirements
- All reports can be filtered, sorted and viewed on screen before printing or even exporting to Excel.

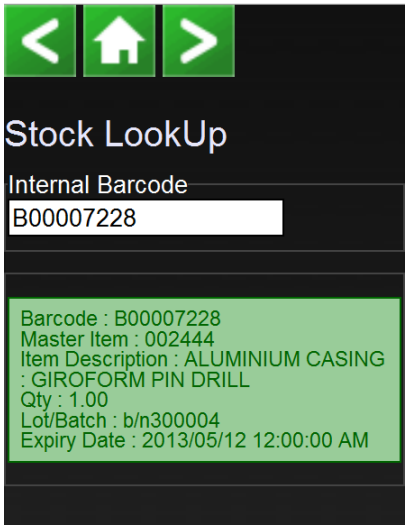
Integration

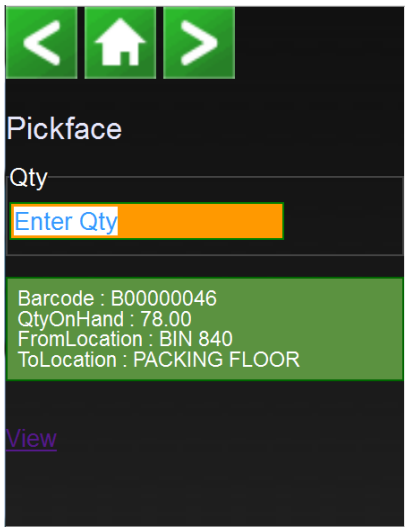
- EVOLUTION integration uses the EVOLUTION SDK and integration is tightly controlled.
- GRN creation, Sales order picking and shipping, Stock Adjustments and even Stock take is tightly integrated to EVOLUTION .

Barcode Scanner screens

This is a typical Tracking Entity label that is used to identify the key component of Granite, the Tracking Entity.







Advanced features and eye-candy on Granite

Granite includes certain ground-breaking innovations worth mentioning in this section. The first of these is the new system health alerting mechanism. When turned on, the menu will display a red highlight and the icon of a specific function will have a red exclamation mark on it. This indicates to the user that a problem is present in that menu option. Examples of this would be on inventory if the system detects a discrepancy between the stock picture in the warehouse and that kept in EVOLUTION.

The Granite system features easy, intuitive navigation, allowing a user to move between relevant functionality quickly. A good example is the ability to view a stock discrepancy and then click through to the errant stock code and directly to the stock adjustment functionality to perform an adjustment that is then applied via Granite to the EVOLUTION inventory adjustment functionality.

Reporting in Granite is rich in both reporting standards as well as the functionality around report generation. Any report can be filtered, viewed on screen and then exported to EXCEL or even other query tools.

Granite Concepts

Locations

A location in granite reflects the physical space/location in the warehouse. The rack locations in this picture are locations. A location is as large or as small as you wish it to be. It contains multiple tracking entities or just one tracking entity.

Master items

A master item describes a product that can be stocked in the warehouse. It carries the detail about what we are able to stock and how it is stocked. E.g The EAN (Product barcode), the replenishment quantity, the description, category, etc. It is a definition of a product, not the physical stock. In the picture, a Master Item is the stock code, description of the goods on the pallets.

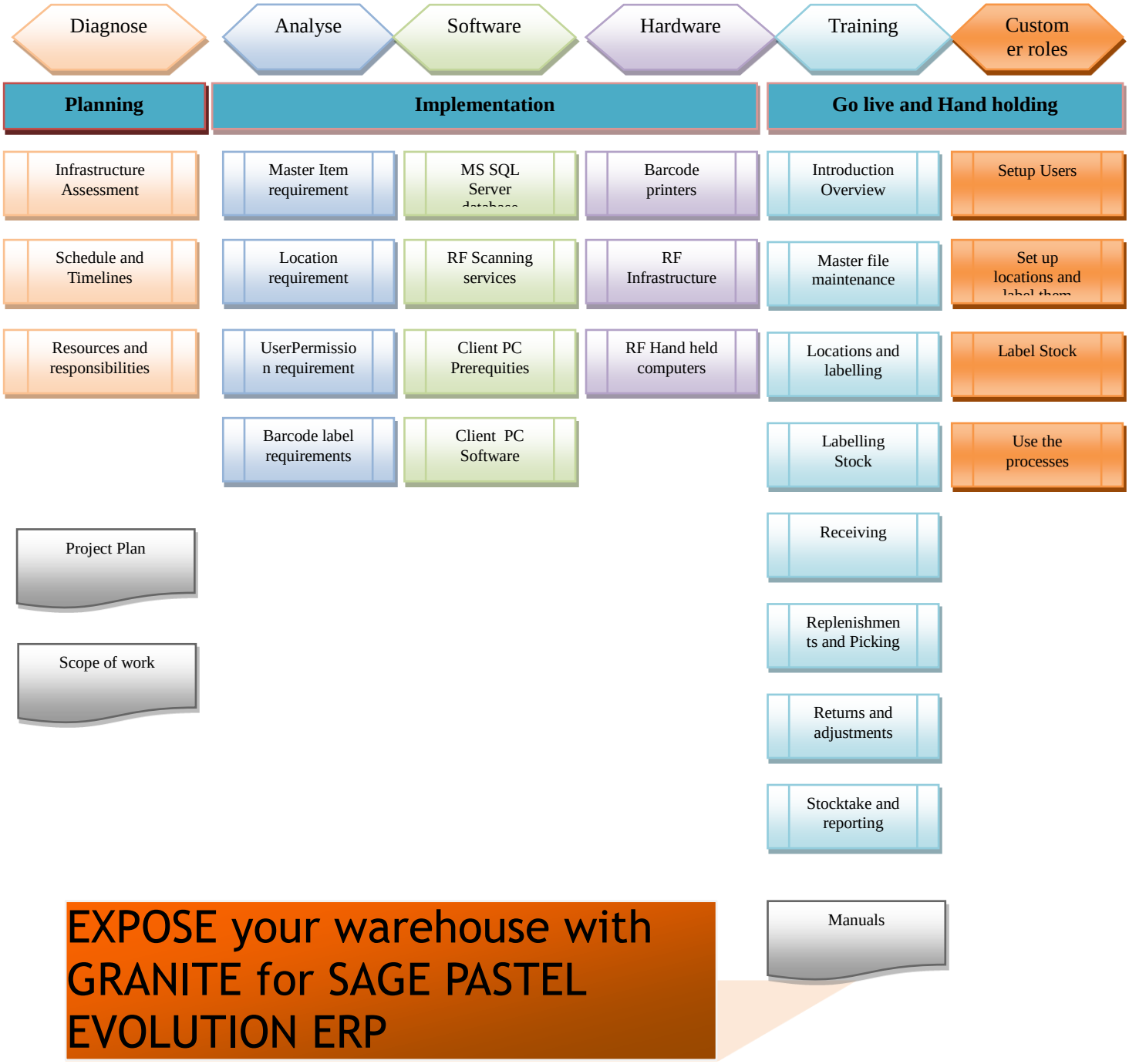
Tracking Entities

This is the concept that makes the Granite system work. A tracking entity represents the physical stock holding of product. I.e. a pallet, a box, a load, a container or a single item on a shelf. In the picture, each pallet could be a tracking entity, alternatively, each carton is a tracking entity and multiple tracking entities exist on a pallet.

The tracking entity has a unique barcode that is not the same as the product EAN barcode. The reason for this is that while two tracking entities may have the same SKU/EAN barcode inside it, the physical stock may be in two locations or two boxes or indeed two different warehouses. The Tracking entity barcode represents the physical stock.
It is important to note that the Tracking entity is capable of carrying a batch number, lot number, expiry date etc. and a tracking entity can be stored in a location.

Project and implementation philosophy

Granite for EVOLUTION is best implemented in multiple phases. The reason for a phased implementation is to ensure that correct processes are being followed before moving on to the next implementation phase. For example – if receiving is not working correctly, picking or stock take will never work correctly. Training and on site hand holding is a key component to the implementation process. Cradle is on hand to assist partners and end users to get the system implemented correctly.



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Microsoft SQLServer

Microsoft .net

For more detail and some videos on the Granite system search for Granite from Cradle on YouTube.

About Cradle

Cradle is a full service Barcode and Auto-ID solutions company. We can deliver self adhesive barcode labels from our factory, project management and consulting from our technical teams, barcode equipment and hardware, and even supply training, technical support and hardware repair and warranty services.

Our software strategy is now designed to deliver simple, optimized and efficient packages to a market starving for standardized barcode based solutions. Our strategy for delivery is to partner with the ERP business partners, together delivering a full service delivery to the ERP market place.

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