

Supply Chain Management



Effective Supply Chain Management (SCM) – powered by mango

The Mango mobile application platform offers an extensive suite of SCM modules providing health organizations with all the tools needed for complete transparency throughout the entire supply chain. Each SCM module is designed to streamline the flow of stock information, quicken stock ordering and distribution, reduce administrative burdens on staff – and to do so in a more accurate way than traditional methods.

It is critically important for supply chains to be able to keep accurate track of inventory levels, to efficiently manage stock orders and distribution, and to forecast demand according to actionable metrics. This is why our complete SCM solution includes a built-in review process that provides a structured methodology for managers to ensure stock levels for all facilities are maintained at sustainable levels whilst allowing for any areas of concern to be highlighted to more senior management.

SCM solution key benefits:

- ✓ Increased transparency and visibility of all levels of the supply and distribution chain.
- ✓ Streamlined and automated notifications and information flows enable organisations to be more responsive and adapt more quickly to environmental changes.
- ✓ Common information framework that supports communication and collaboration among suppliers.
- ✓ Built-in support for a vendor managed inventory model.
- ✓ Lower operational expenses due to more efficient tracking and procurement planning.
- ✓ Built-in methods to collect mass amounts of data more quickly and inexpensively than traditional methods especially in rural areas with poorly maintained infrastructure.
- ✓ Built-in early warning system to quickly address shortages and overstocks.
- ✓ Proven results from mango implementations to date have been highly successful with high response rates, excellent data accuracy and significant reduction in medical stock-outs.

How it works

A suite of modules is included in the overall SCM solution from Greenmash. Each module can be seamlessly integrated with the mango platform, and with other existing systems such as core health management information systems.

Inventory module

The inventory module is designed to take raw stock data, and turn it into useable reports for Managers thus helping them make more informed decisions about optimal stock allocation, timely ordering and management decisions in general.

Order management module

The order management module facilitates the entire order process from expected order requirements through to delivery of goods and final confirmation of receipt of the goods. Orders can be placed directly to mango via SMS or through the web interface and can be executed manually, automatically or by a combination of both methods depending on the needs of the facility. For instance an order can be automatically generated based upon agreed minimum approval by the facility administrator. ►



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Forecasting module

The forecasting module analyses demand patterns and applies different forecasting models that best fit the particular need. Accurate demand forecasting is the foundation of optimal stock management since the more accurately demand can be predicted the less buffer stock is required, with less chance of stock-outs or drug expiry.

Demand forecasting aims to reduce overstock and stock outs and improve overall inventory performance, so constant monitoring and evaluation is essential. The forecasting module uses a configurable forecast algorithm which can be based on a number of different forecasting models to produce a demand forecast chart and table to facilitate decision making.

Reporting

Reporting is built into the mango platform and can be utilized by all mango modules. Reports can be generated using any data set of interest and delivered within any time frame required by the data recipient. All reports can be viewed through the web application homepage or delivered directly to the recipient via email or mobile communication.

The mango platform also includes a multi-tiered security model that ensures users can only access the data they have permission to access e.g. reports and graphs that relate to the geographic area the user is responsible for.

Key features of the SCM solution:

- ✓ Easy to use software including automated processes, informational messages and reminders delivered via email and / or SMS.
- ✓ Built-in reporting and analysis for aggregating, sorting and querying data.
- ✓ Real-time mapping of stock allocation and usage at all levels of the supply chain.
- ✓ Open source API for easy integration with other systems.
- ✓ Regular stock and order request reports from all connected facilities.
- ✓ Threshold configurations for min and max stock levels according to facility and / or area as required.

Who we are

Greenmash is a trusted technology partner for global health organizations. Our services include a range of ready-made healthcare information management solutions that can be quickly deployed anywhere in the world from the community level upwards. The Mango mobile application platform was conceived and developed to address health issues in sub-Saharan Africa and has already been successfully deployed across multiple African countries.

What we do

We build and deploy robust, scalable, affordable and simple technology solutions for regions in need of reliable medical information systems. Our technologies are designed to be flexible, easy to use and easy to support in isolation or when integrated into existing systems such as core health management information system.

We have helped thousands of healthcare experts across a range of health areas including malaria, HIV/AIDS, TB, neglected tropical diseases, maternal and child health, nutrition, family planning and reproductive health. Our aim is to optimise health data collection and reporting accuracy, and in turn improve decision making.