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SQUARED WM

Squared WM is the warehouse management system that solves every aspect of the process (receipt, acceptance, storage, picking, inventory management, handling and dispatch) through the integrated use of identification, location and filing technologies.

The application functions seamlessly with all ERP systems and allows the use of any type of fixed or mobile hardware, irrespective of the operating system.

Squared WM is a scalable and fully customisable solution that can be used in stand-alone mode, on site or via cloud, based on As a Service, On Demand and Pay per Use logic solutions, so it can be adapted to match all types of businesses and all spending budgets.



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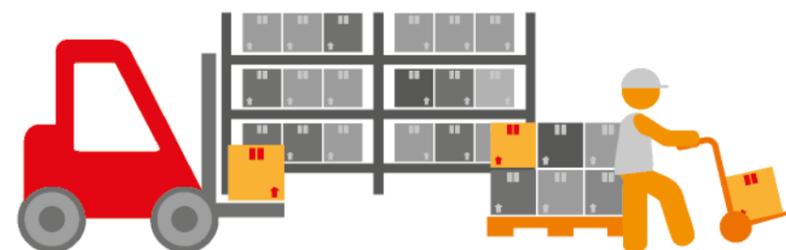
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- Single Member Company

SQUARED WM

Logistics is the combination of all the activities involved in transferring goods from suppliers to end consumers. The more rapid, efficient and accurate the supply chain the greater the competitiveness and profitability of the business: customers always find what they're looking for and brands acquire a reputation for reliability and validity, with a simultaneous lowering of costs. The difference always lies in the backend processes involved in warehouse management activities.

Squared WM is the solution developed by Tenenga Alliance Group to handle all the stages of a modern state-of-the-art warehouse management process. Using the best identification and filing technologies available, Squared WM allows users to enhance performance of the warehouse and all the related processes, helping the people responsible for logistics maintain highly functional, rational and accurate warehouse organisation at all levels: receipt, acceptance, storage, picking, inventory management, handling and dispatch.



The face of logistics has been changed by the effects of globalisation and competition on the one hand, and industrialisation with high level customisation, e-commerce, and the latest generation of CRM solutions, on the other. With the advent of the most innovative technologies, the traditional warehouse is gradually being transformed into one of the key components in modern logistics. The system, which can also interface with automatic storage and handling systems, assures mapping of the warehouse thus enabling optimisation of space management, definition of the overall layout and addressing critical points including bulk holds and areas without shelving.

Squared WM is a warehouse management application that supports logistics and integrated logistics, thus making possible to handle all activities related to the warehouse more rapidly and efficiently, eliminating redundancies and wastage of paper. One of the pluses?

A degree of modularity that supports all aspects of the logistics process, including activities supporting fitting and kitting and activities integrated in the management of industrial scales/load cells.

Squared WM brings a range of technologies to your system:

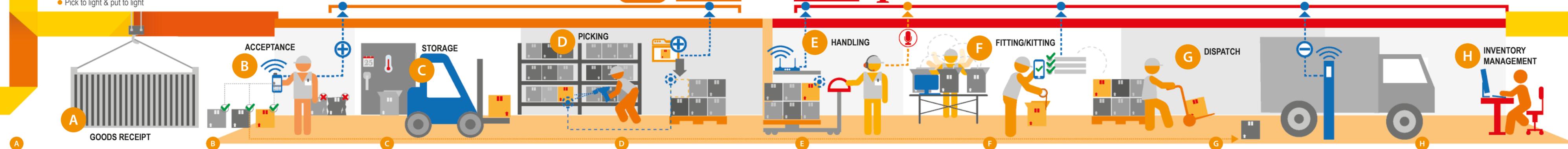
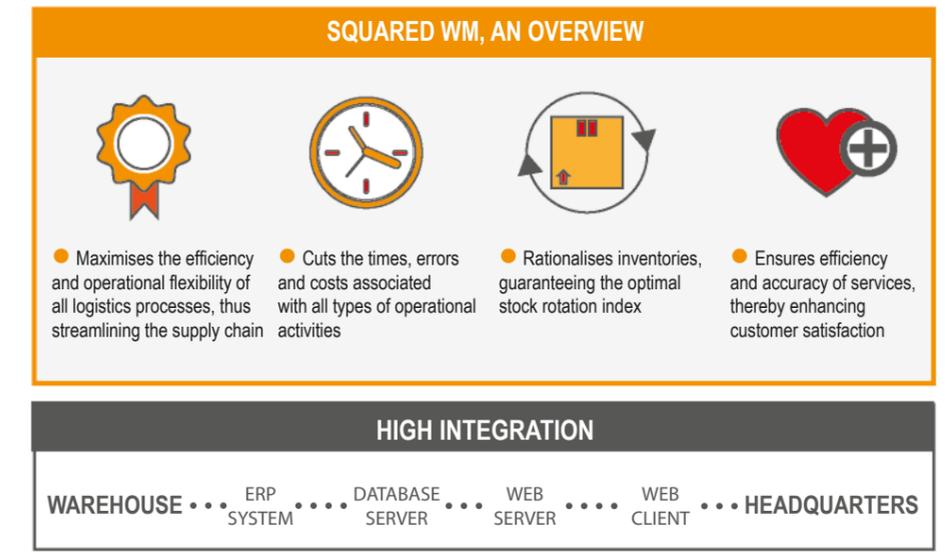
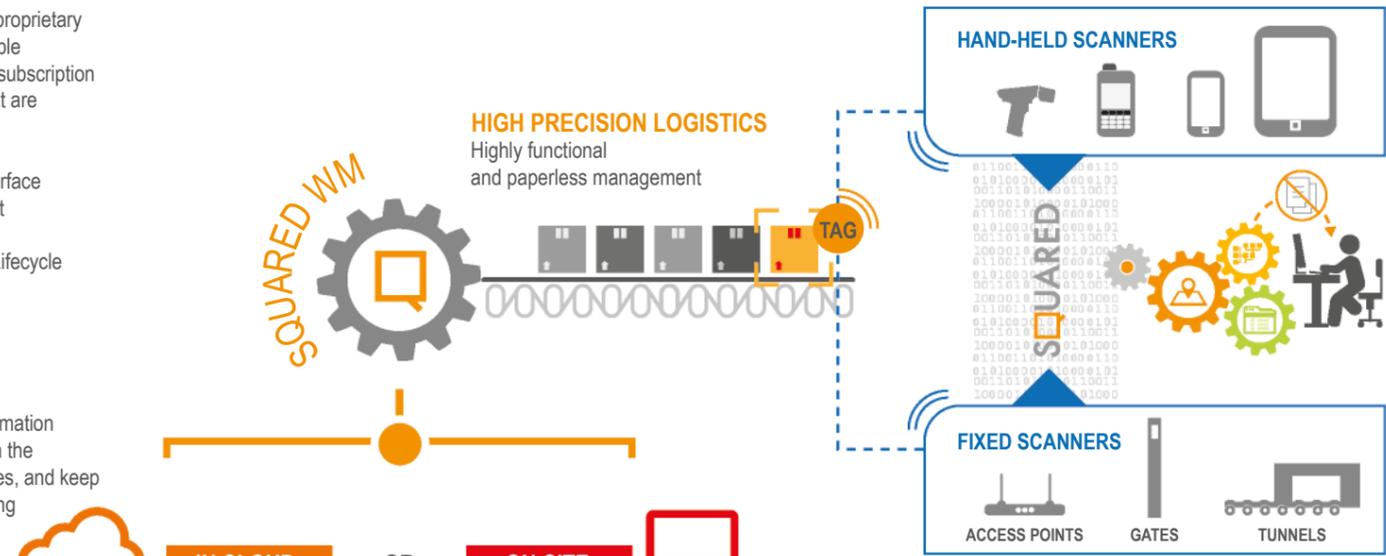
- Automatic identification (Barcodes, RFID, Voice)
- Location (RFID, GPRS, RTLS)
- Connectivity of the latest generation (cable and Wi-Fi)
- Evolved classification, filing and management software
- Pick to light & put to light

Squared WM is designed to work on site or via cloud computing, using proprietary network architecture, or in software as a service mode (SaaS) with multiple on-demand and pay-per-use solutions. In this context, Tenenga offers a subscription model for different periods, thus assuring the flexibility and scalability that are essential for today's businesses.

Irrespective of the IT infrastructure and database, **Squared WM** can interface with all types of ERP applications and with any software for management of all maintenance and checking activities of a product or plant, such as Manufacturing Execution System (MES) software and Product Lifecycle Management (PLM) solutions, guaranteeing data tracking and tracing.

Companies with multiple warehouses can manage information relating to any product at any time by means of an intuitive Web interface.

Operators responsible for locating goods can upload and download information using any type of fixed or mobile device, allowing them to acquire data in the warehouse (indoors or open-air), perform the related checking procedures, and keep data constantly available to the company IT system and operators working at all points of the supply chain.



A Goods arriving from suppliers and/or from a production plant are identified immediately and, if necessary, re-codified.

B After checking compliance with the order, the goods enter the warehouse and the data are uploaded to the system.

C At this point the goods are stored in compliance with logistics criteria that record their location in the system, this allowing immediate retrieval at a later date. Also in this case a re-codification process may be performed depending on the specific needs of the business.

D In the picking stage the operator uses automatic scanning systems that allow correlation of data with the order thus achieving absolute certainty that products picked are in compliance with products ordered.

E Thanks to the processes of identification of the goods and the operators involved in each stage, handling of materials in the warehouse is recorded on the system, thereby guaranteeing accurate and constantly updated reporting.

F If the warehouse is also responsible for product assembly and configuration processes, the quality of the service is guaranteed by processes of identification of components, consultation of online instruction manuals, and checking of compliance with the order.

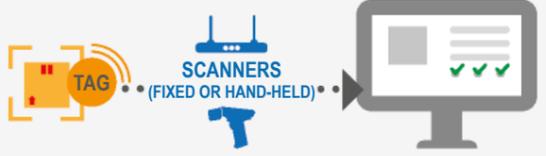
G At the time of dispatch the possibility of cross referencing data between prepared load units, orders and points of delivery makes it possible to rationalise transport and streamline logistics, thanks to optimised loads and routes.

H According to the automatic identification technology chosen, this stage can be made even more rapid and functional, allowing the operator to perform a real-time check on the availability or unavailability of products in stock.

Thanks to **Squared WM**, the activities linked to storage, conversion, transport, and inventory management are significantly enhanced. This is a smart system: thanks to the maximum integration and transparency of information, the product can be delivered to the end consumer at the lowest possible cost!



Thanks to AUTO-ID (mono and bi-dimensional codes, RFID tags) goods can be classified and filed rapidly and with absolute precision.



The goods identification process can be carried out using multiple fixed or mobile devices depending on the type of products and the type of warehouse: tunnels, gates, laptop computers, tablets, rugged scanners, hand-held devices and the all wearable technologies (rings, gloves, belts, helmets,...) equipped with a barcode and/or RFID scanner.



At the time of identification, **Squared WM** allows the operator to input various details concerning the goods, e.g. a note concerning a damaged package or product, or an anomaly in relation to the sell-by date. This information is linked to the goods in stock and entered into the central system that keeps track of the data.