

ScanPlant NG Manufacturing Execution System

Improving processing – increasing earnings



ScanPlant NG Manufacturing Execution System is an exceptional tool for monitoring productivity, inventory development, yield and give-away in real time. It provides a unique basis for better control and rapid intervention, thereby improving the company's earnings potential.

Driving up your business

ScanPlant NG is a complete MES system which helps to create the full overview of the production. It provides you with a unique real-time overview of all your manufacturing processes at the same time as driving up traceability, quality standards and efficiency.



Improving earnings

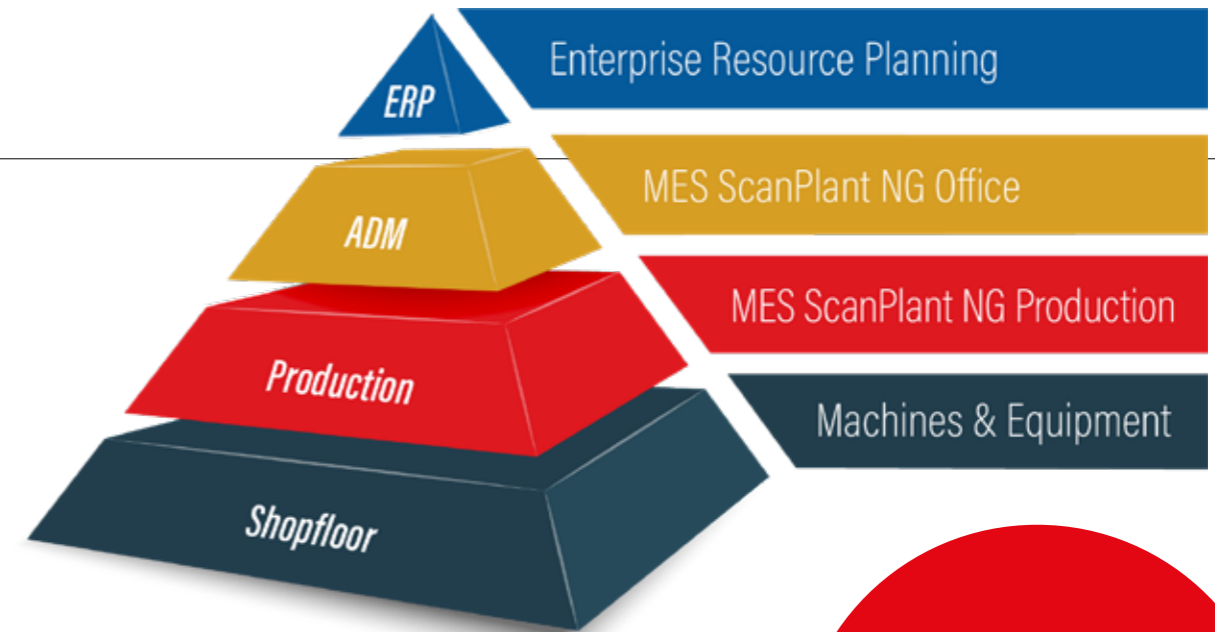
ScanPlant NG is an exceptional tool for monitoring productivity, inventory development, yield and give-away in real time.

Registrations from reception of goods, storage, production and dispatch forms the basis of automatic key figures and KPI's in real-time. This provides insight, faster follow-up, better control and allows rapid intervention, which will improve the company's earnings potential.

Allround production management

ScanPlant NG provides you with better control, transparency and valid data capture for all processes in the production and offers software solutions for:

- Process Management
- Inventory Management
- Order Management
- Quality Management
- Scanning, Weighing, Labelling
- Dispatch
- Full Traceability
- OEE - Stop Time Tracking
- Access control
- Performance monitoring
- Data Integration with other systems
- Reporting

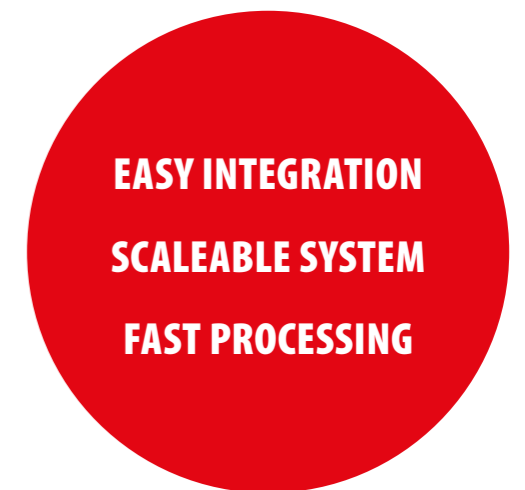


Streamlining your production processes

Smooth Data Integration

ScanPlant NG is an open system which can integrate to other it-systems as well as hardware equipment, incl. 3. party devices. This makes it possible to capture, combine and present all production data in one single system.

It could be integration to the ERP system, so data only



have to be maintained in the financial system, or it could be to production- and quality systems as checkweighers, metaldetector, flow meter, SCADA systems etc. The data exchange with other systems will simplify maintenance of master data and ensure that updated information is synchronized between the relevant systems.

Scaleable, flexible and modular

Userfriendliness, intelligent data capture and easy, open integration are keywords in ScanPlant NG, enabling you to have a customized system setup to streamline all the production processes.

ScanPlant NG is made up by modules that can be combined to fit precisely to your production and requirements – the solution can be scaled from a single function and up to a large complex MES system.



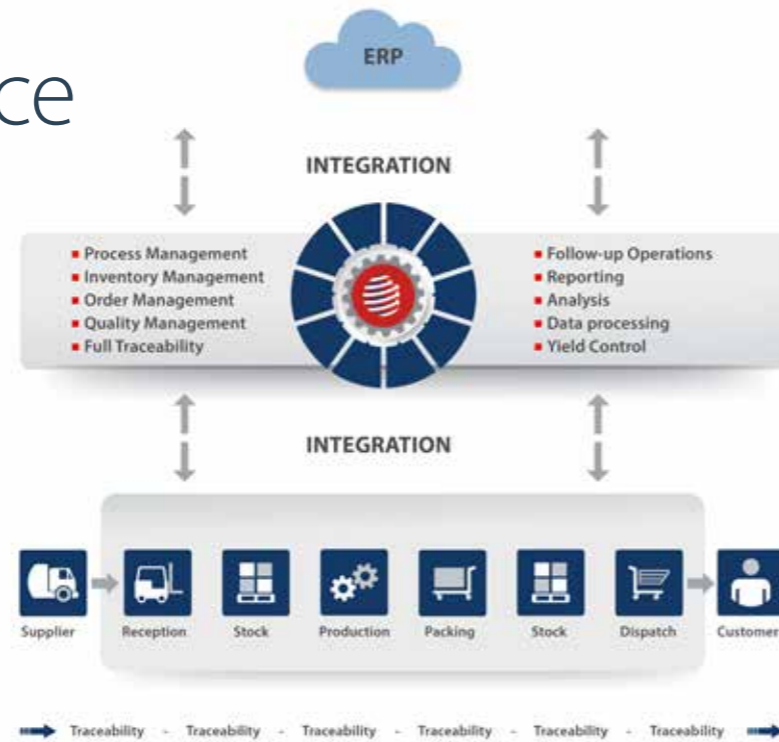
High Performance

Unique production overview

The Process module of ScanPlant NG gives a unique overview of the entire production, including the efficiency on the production lines, yields, give-away and other key figures – this makes it possible to optimise the performance and yield more effectively.

Full Traceability

ScanPlant NG provides traceability through all steps in the production flow – from goods intake, cutting, recipe weighing, processing, inventory, packing and dispatch. This ensures fully documented traceability, where the individual items and ingredients can be traced back to at any given time and place in the process.



Improving your Yield



With the ScanPlant NG Yield Control you can ensure that even minor deviations in the different processes are detected.

This allows you to take preventive actions, reducing give-away and avoiding huge losses of the overall profit. It is possible to control yield on different levels such as department, days, shifts, batches by operator or by equipment. The yield can be monitored on controls screens across the plant.

Time-saving, userfriendly operations

ScanPlant NG has a highly userfriendly operator interface with fast, logical functions and large screen designs, making operation quick, simple and easy to learn.

The system allows for a smart customization of the screen design to the individual process, displaying only the relevant screen content in the relevant language and skipping unnecessary fields.

This saves a lot of time in every single operation job, speeds up production, and prevents registration errors.



Clear, uniform overview

All data captured by ScanPlant NG is presented in the same interface – ScanPlant NG Office – where it can be edited. Having all information from ScanPlant NG modules, ERP systems and possible third party systems in one place

makes it easy to present overall views and key figures in a report or a draft, and to make operational follow-ups or follow the main key figures.



Flexible use on all devices

The ScanPlant NG modules can run on all devices – touchscreens, handheld computers and tablets. This

eliminates paperwork, saves time and ensures faster and more effective processing in all departments.

Complete, transparent production control

ScanPlant NG offers process and inventory management using touch screens in production and data capture from relevant systems across the entire plant. The system provides effective tools for operational monitoring, reporting and searching full traceability in seconds as well as order management, quality and inventory control and easy master data maintenance.

RECEPTION

- Registration
- Quality Control
- Weighing-in

ADMINISTRATION

- Yield
- Traceability
- Inventory control
- Order management
- Master data maintenance

STOCK: RAW MATERIALS

STOCK: SEMI-PROCESSED

STOCK: SEMI-MANUFACTURE

STOCK: FINISHED GOODS

DISPATCH

PRODUCTION 1

- Manual cutting
- Deboning
- Special cutting
- Quality inspection

PRODUCTION 2

- Recipe weighing
- Grinding
- X-Ray inspection
- Metal detection
- Automatic portion cutting
- Grading / Sizing

FURTHER PROCESSING

- Portioning
- Automatic packing
- Product mixing
- Sausage making
- Smoking

PACKING DPT.

- Metal detection
- Checkweighing
- Weigh Price Labelling
- Box packing
- Box Labelling
- Pallet labelling

ScanPlant NG handles all types of goods, such as raw materials, semi-processed products, finished goods, packaging materials, spices and other consumables.

Design your own shopfloor management system

ScanPlant NG is made up by modules that can be combined to fit precisely to your production and requirements – the solution can be scaled from a single function up to a complex MES system.

Process Management

The Process Management can handle all the links of the production from the intake, consumption and processing to the dispatch of finished goods. It gives an overview of the production, including the efficiency on the production lines, yields, give-away and key figures/KPI's, enabling effective control and insight.

ScanPlant NG Process Management supports all units of measurements, which includes raw materials, semi-finish products, spices, packaging and other consumer goods. All registration is done electronically with data control of the registrations, eliminating paper works and saving time.

Order Management

The Order Management provides a unique overview over production and order status, ensuring on-time delivery and preventing overproduction. The module also eliminates paper from the production and enables online order status via info screens. It's possible to have feedback on the production flow, automatically transferred to the financial management system in real time, improving an effective order flow.

ScanPlant NG Order Management can also notify the financial management system so that the orders are automatically closed once they have been delivered. This ensures an effective order flow, while reducing the potential errors in the order processing.

Order Management supports the Purchase, Production, Sales & Return Orders

- Purchase Order links to supplier information, e.g. traceability and use-by date, in case of customer claim. The module also ensures delivery of correct quantity in time, which prevents missing products for production.
- Production Order links raw materials to the order, enabling output calculation per production order.
- Sales Order links goods to dispatch to customer, providing good documentation in case of customer claim.

Quality Management

The Quality Control handles quality registrations (including internal inspection and own check) of all kinds of quality and process data as well as deviations, corrective actions and root cause. The module can run on touchscreens, handheld computers or tablets, eliminating paper works and ensuring a faster and more effective internal control.

The quality registrations may be presented in summaries and reports for a quick overview of the documentation and with it the internal inspection.

Inventory Management

The Inventory Management handles inventory transactions in an unlimited number of departments or locations. The items are separated via unique identities (box/pallet numbers) or in summarized shared identities (product/batch number). It is possible to place items on locations in multiple dimensions (departments, rows, shelves, racks and so on).

FIFO (first in – first out) is available, ensuring use of oldest products first and reducing give-away.

Scanning, Weighing and Labelling

Flexible designs for labels combined with system integration ensure that the correct information is printed on the labels. Working procedures are more effective, and the number of errors is reduced. By creating dynamic label designs, the number of label designs can be minimized.

The system supports many types of industry scales, labelling systems and printers, barcode scanners, as well as radio readers (RFIDs). The list of supported units is increasing on a continuous basis.

Full Traceability

Full Traceability registers and captures all product data digitally - from reception to shipment – eliminating time-consuming manual documentation jobs of the employees. Based on the captured digital production data, ScanPlant NG Full Traceability documents full traceability, executes quantity calculations and finds the relevant items in stock.

OEE - Stop Time Tracking

The OEE - Stop Time Tracking module gives a clear overview of missing utilization of equipment capacity and the related causes. Over time the registrations will serve as a tool for preventive maintenance in order to avoid missing utilization in the future.

In addition to the key figures for OEE, replacement of components at maintenance can also be registered, whereby planning of preventive maintenance can be optimised and the cost can be registered and included in the total statement.

Time Registration of Employees

Time Registration of Employees is a module, which is userfriendly and presents you with the overview of the consumption of hours on department / line / order or down to item number level – this provides you with the basis for the best possible utilization of the company's resources.

The Time Registration produce a valid basis for salary calculation and is also a unique tool for showing the efficiency of the production at the levels required, e.g. department, line, order and item number. It's easy for the employee to make the necessary registrations. By integrating to other ScanPlant NG modules, other data from production, quality and traceability data can be obtained automatically.

Office Management

The Office module manages the user interfaces and is the tool to present and edit data, compiled from all the ScanPlant NG modules.

All information from the ScanPlant NG modules, ERP systems and possible third parties systems is gathered in one place, and the overall view and key figures can be presented in a report or a draft, so it's easy to make operational follow-up or follow the main key figures.

Data Integration

The Data Integration opens for data capture and exchange from other it-systems and hardware equipment. It can be integration to the ERP system, which means that data only have to be maintained in one system, e.g. the financial system.

It can be integration to production and quality systems – e.g. a checkweigher, metal detector, flow meter, SCADA systems, quality management systems etc. This simplifies maintenance of master data and ensures that updated information is synchronized between the relevant systems.

Document Management

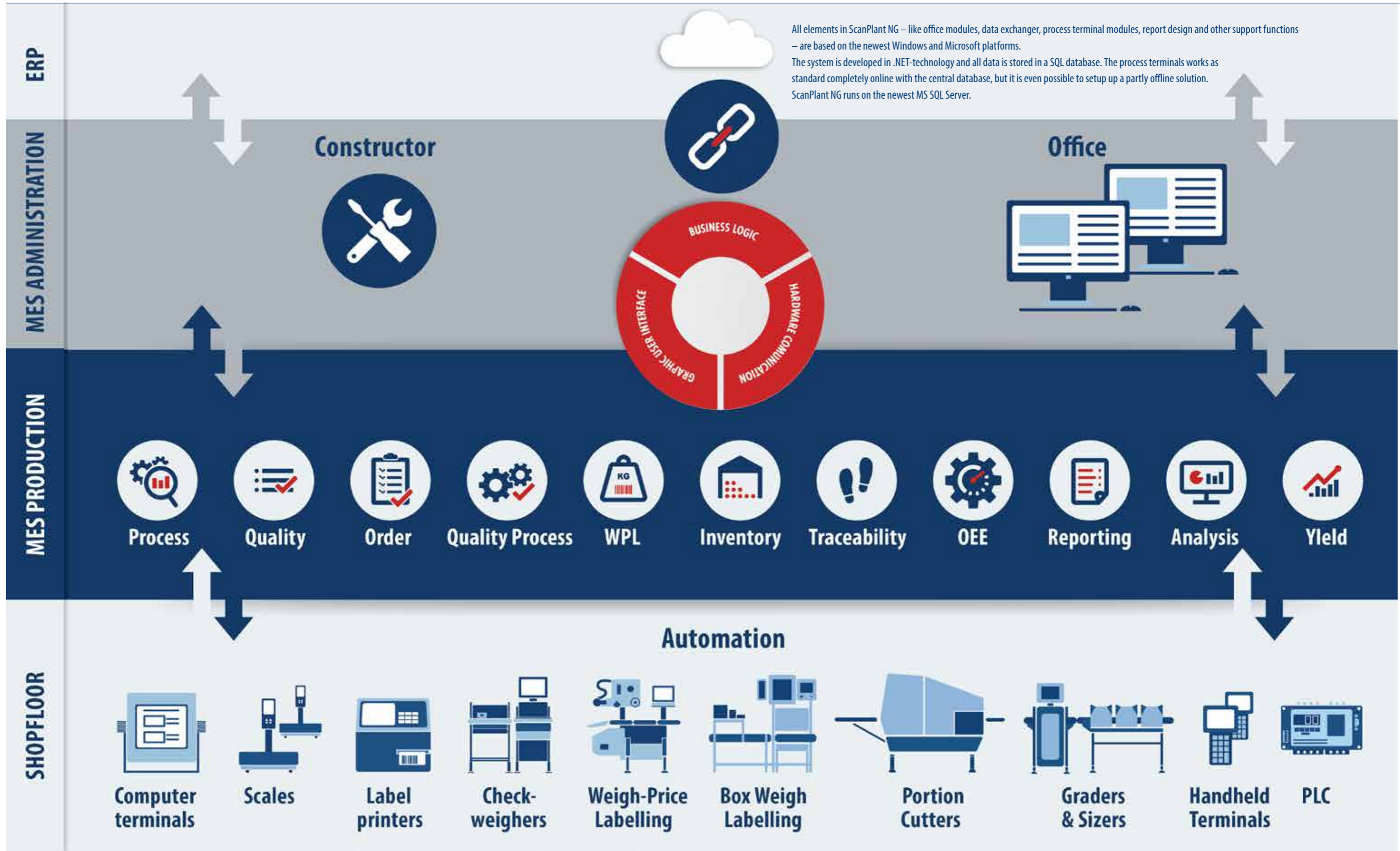
The Document Management is a module that helps you keep an overview of all your documents in a user-friendly and simple way. It is ideal for any Quality and Production Department, where various requirements and processes must be kept, and where it is important that only the latest documents are available.

The module is your assurance that all information is available to relevant stakeholders, while ensuring that all existing material is updated.



For more detailed info about the modules and applications, please refer to the individual brochures.

Reliable system architecture



All elements in ScanPlant NG – like office modules, data exchanger, process terminal modules, report design and other support functions – are based on the newest Windows and Microsoft platforms. The system is developed in .NET-technology and all data is stored in a SQL database. The process terminals works as standard completely online with the central database, but it is even possible to setup up a partly offline solution. ScanPlant NG runs on the newest MS SQL Server.

Market-leading supplier

Scanvaegt Systems is a Danish-owned company, established in 1932. We develop, produce and market weighing systems, portioning solutions, labelling lines, inspection equipment, related IT-systems and traceability solutions.

Scanvaegt Systems has its head office in Aarhus, Denmark, and subsidiaries in Norway, Sweden, Germany and Poland, and distributors in a number of other countries. The staff is of app. 200 employees.

Service and support are crucial factors in any type of production company and keywords for us. For this reason we place comprehensive service and support facilities at our customers' disposal.

The Scanvaegt service package comprises: Preventive maintenance, training and instruction, installation and on-site repairs, spare parts, hotline & online support, software service, verification and calibration.

