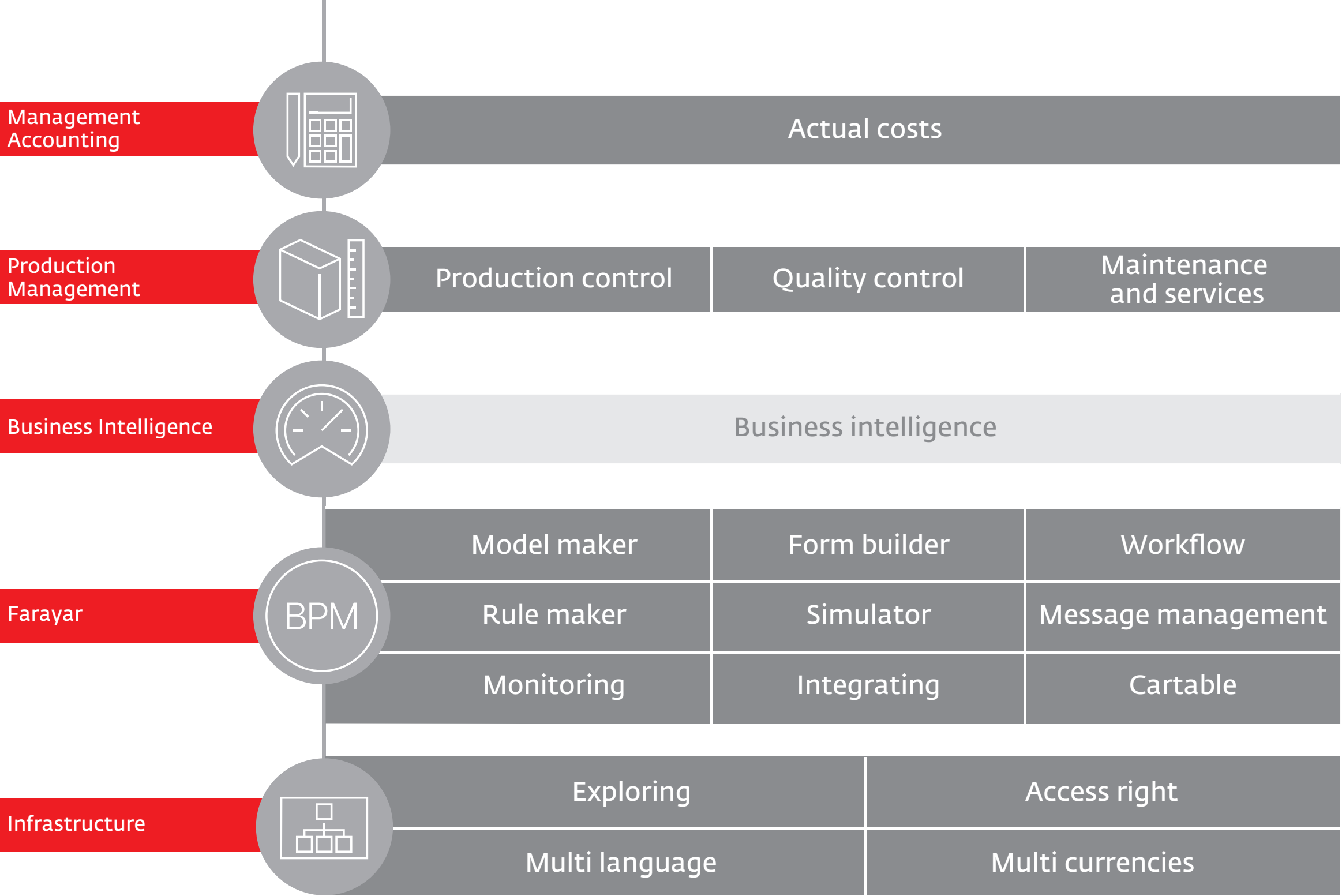
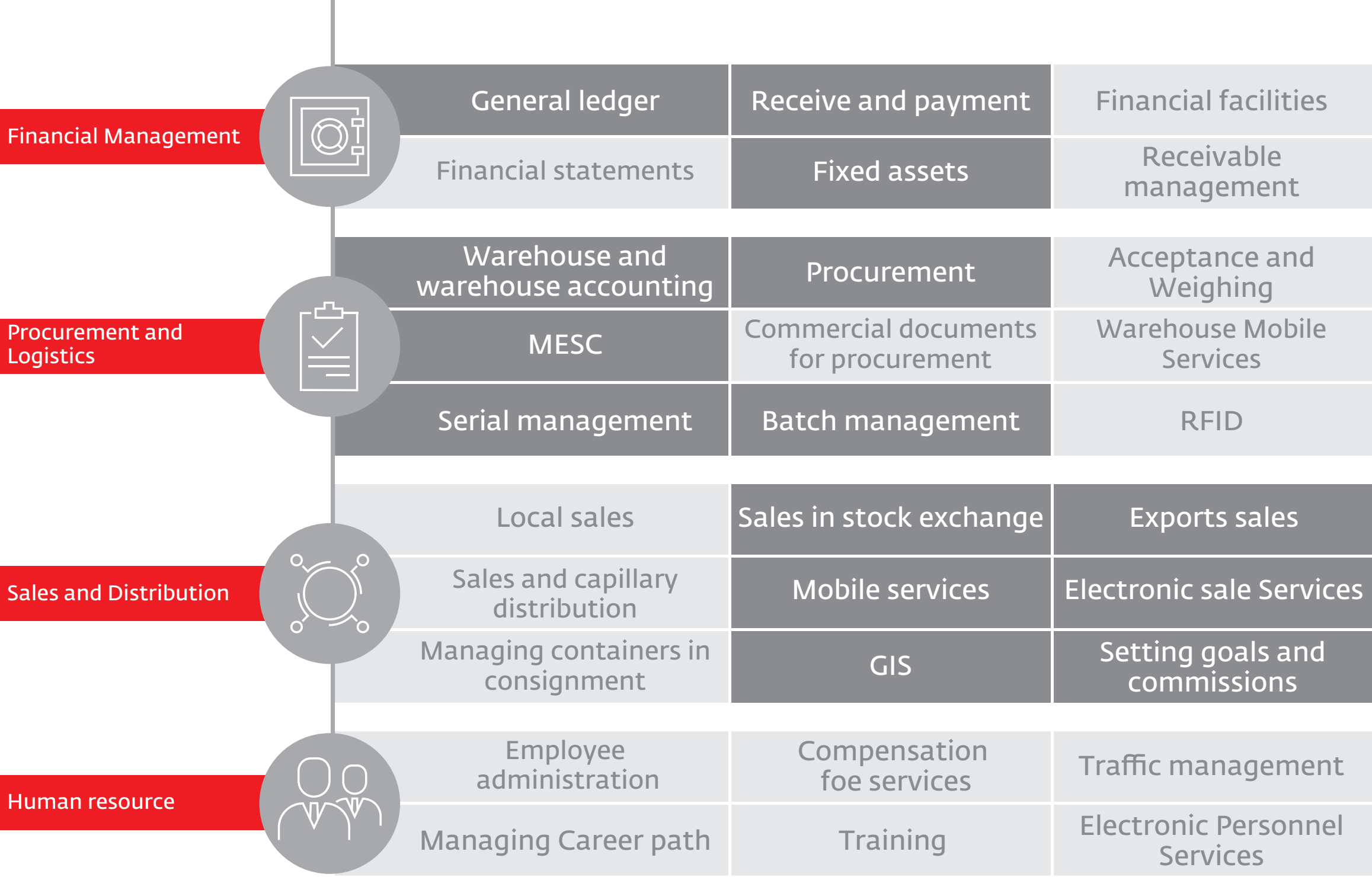


High Quality Production with efficient equipment

System Group's Production
Management Solution



Rahkaran Solutions (ERP + BI + BPM Tools)





Make your Industry's production process more reliable and productive

Issues related to the plant such as how to utilize resources and capacities available to manufacture high quality desired products in proper quantity and timely, are a constant concern of managers in manufacturing industries.

Due to market pressure for high quality production and timely delivery, competition with other manufacturers to gain market share and importance of awareness of actual cost of the manufactured products, industries' managers always are looking for appropriate methods and tools to plan and control production processes.

System Group's Production Management Solution

- Fully covers the process of giving order and production control.
- Prevents of accumulation and loss of capital in production lines.
- Tracks manufactured products
- Performs preventive and maintenance services on machineries with various procedures
- Guarantee acceptable performance of equipment
- Coordinate production processes with quality standards



The production solution is integrated with actual cost and logistics and procurement modules; and cover processes of giving order, recording production statistics, estimating materials and components required by the production schedule, feeding production line, managing inventory on site, managing waste and duplicate works and tracking in production. It also supports preventive services and checklists, performing emergency and corrective operations, monitoring machineries condition, ensuring of have equipment with high quality and proper function in maintenance and repair module and conducting quality tests for goods, periodic batch inspection and guarantee sending high quality materials to production line and high quality product to customers.

Features of System Group's Production Management Solution

- Giving order and recording production performance
- Managing inventory on site
- Batch management and tracking
- Managing preventive and maintenance services based on the machineries condition;
- Issuing agenda and recording maintenance performance
- Sampling by Sampling Scheme (with AQL standard)
- Quality control for input materials, during production and final products
- Periodic inspection of quality





Manufacture with proper plan

Production control and planning are major concerns for any manufacturing business. Accurate implementation of items such as quantifying and timing of production, material and components supply planning, machinery capacity and manpower planning are essential to achieve strategic production goals.

Rahkaran production solution enables companies to plan and control the production precisely. Production plans are provided at different levels of year, month, and week; at each level you will be able to make sure materials and components are supplied and take necessary actions when there is a shortage.

Then production centres and equipment can be loaded and scheduled by issuing production orders on a daily and shift basis; and materials and components can be supplied as per BOM for them.

In addition, by recording production statistics, waste, actual consumption of materials, causes of deviation from plan, personnel and machinery performance at each production centre, you can always observe the performance of your manufacturing plant in different periods, measure how the plan has been executed properly, and aware of the plan deviations; then analyse the deviations and make right decisions for solving them.





Prevents of accumulation and loss of capital in production lines

The management of each organization expects that raw materials and required components of the production lines to be supplied as needed and according to production schedules. On the one hand, policies of First-Expired, First-Out (FEFO) or First-In, First-Out (FIFO) are established in many companies, and their proper implementation will reduce damage and waste of raw material in the company's warehouses. On the other hand, suppliers provide some of the raw material in Size Lot packages, which are still shipped to the work centres in a packaged form and more than required in the production schedule. The materials and components are always available in production lines, and often the warehouse and planning unit are unaware of it.

Rahkaran Production Solution helps to supply demands of production centres based on BOM, amount of production orders, policies for consumption such as FEFO or FIFO, instant inventory of materials and components on site, and size of packages (Size Lot). At the same time personnel can report actual consumption of material through recording production performance; this amount will be deducted from the inventory on site. As a result, you are always aware of the amount of materials and components in production lines, materials and components are not shipped or accumulated more than needed, waste is reduced, and ultimately, liquidity of the organization will increased and costs will reduced.



Tracking manufactured products

Production Batch Policy: Helps organizations differentiate their products by taking into account the factors involved in their production quality; and by giving a specific number to shipments contain purchased materials and manufactured products, the organizations will be able to identify problems and their causes and consider proper measures to solve them.

Rahkaran Batch Management with Traceability solution: Help organizations to understand how products are manufactured, where they are stored and ultimately sold to which customers.

Backward Traceability: Connection between manufactured products and the factors involved in their production, including shift and date of the batch production, production centres, machineries and personnel of production line, batch, raw materials used in production and their quality can be considered properly.

Forward Traceability: Organizations can determine any bath of material is used at which products' batches. It will help them when a qualitative problem is reported in the material, with regard to internal quality assurance test or according to supplier's announcement, to promptly identify products which are manufactured by using the materials and customers who purchase the products; and if necessary, the products will be recalled from market.



Keep your equipment in the best condition

Failure of equipment can make irreparable consequences, such as environmental-safety damages or Loss Production. Managers are looking for solutions to keep equipment at an acceptable level of operation and minimizing failures by performing maintenance activities timely and appropriately.

Maintenance Solution: Rahkaran's CMMS provides capabilities such as equipment basic information management, Preventive Maintenance management (PM), Condition- Based Monitoring (CBM), flexible workflow implementation for Emergency Maintenance (EM) and Root Cause Failure Analysis (RCFA); and then the organization can monitor equipment status, maximize machineries' availability times, make appropriate decisions to improve conditions, and finally improve operational indicators such as OEE for machineries and production lines.





Align production processes with standards of quality

Organizations are always trying to produce and deliver high quality products to meet customer satisfaction. So executing statutory process and standards of quality control in production areas will be crucial to be ensure that all products contain high quality at time of receiving materials from suppliers, during and after manufacturing products.

Quality Control Solution (QC): Rahkaran provides capabilities like creating high quality plans based on various standards, sampling plans (with AQL standard), applying quality control for input materials, doing periodic inspections, doing quality control during production, performing quality control for finished products and creating relationship with Batch management; give assurance the organizations that standards of quality are applied across the stages of supply, maintenance and production.





No. 8, Attar St., Vli-e-Asr Ave., Vanak Sq., Tehran, Iran

Postal code: 1994643513

Tel: + 98-21-8520

info@systemgroup.net