

Smartbase

Driving Actionable Value with SmartBase





| SmartBase MES Solution Key Features



Logistics Management

- Product warehousing and forwarding management
- Product inventory management
- Material warehousing and forwarding management
- Material inventory management
- Daily Supply and Demand Closing Management



Facility Management

- To Do (BM)
- Preventive Inspection Management (PM)
- Facility/material management
- Mobile/NFC Tech Management
- Real-time field response/statistical analysis



production management

- Management of production plan and work order
- Management of production and production progress
- Production Routing and Productivity Management
- Lot tracking management (material lot tracking)



Quality control

- Raw material and product quality management
- Inspection Manager
- Pre-Quality Management and Post-Quality Management



Mold management

- Mold information and grade management
- Monitoring mold punching and conservation
- Mold prevention and maintenance management



FOOL PROOF

- Data storage/aggregation/analysis
- Automatic facility control in case of abnormality
- Process condition real-time monitoring



BOM

- Part Master Management
- BOM management and design change management



Sales Management

- Order performance and delivery plan management
- Sales performance management



Purchase Management

- Order management (order details, payment plan)
- Purchase performance management

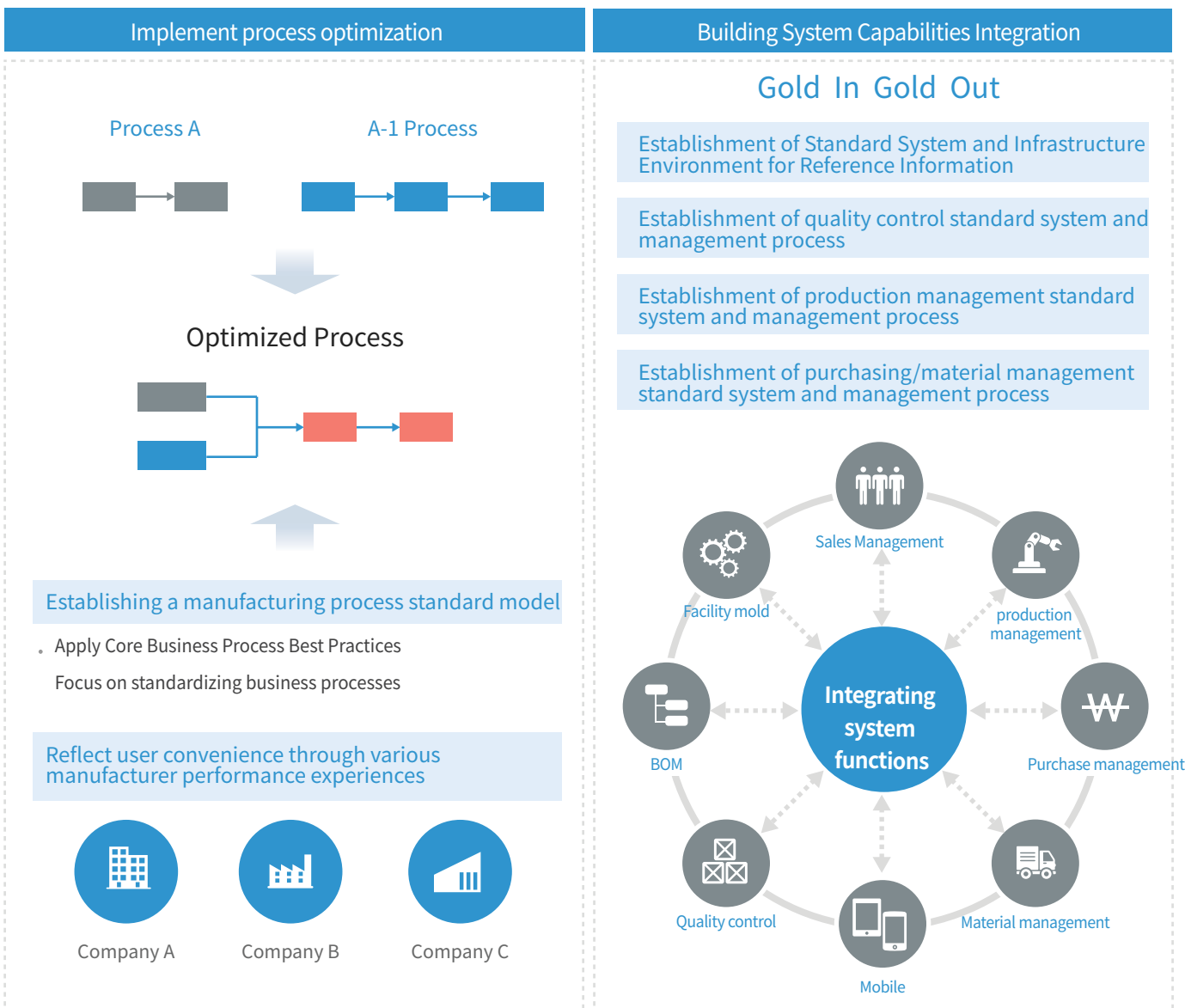
Smartbase

It is not an integrated production management system
 Here's the solution you want. Smart Base MES is an optimized production management solution for increased productivity and cost savings

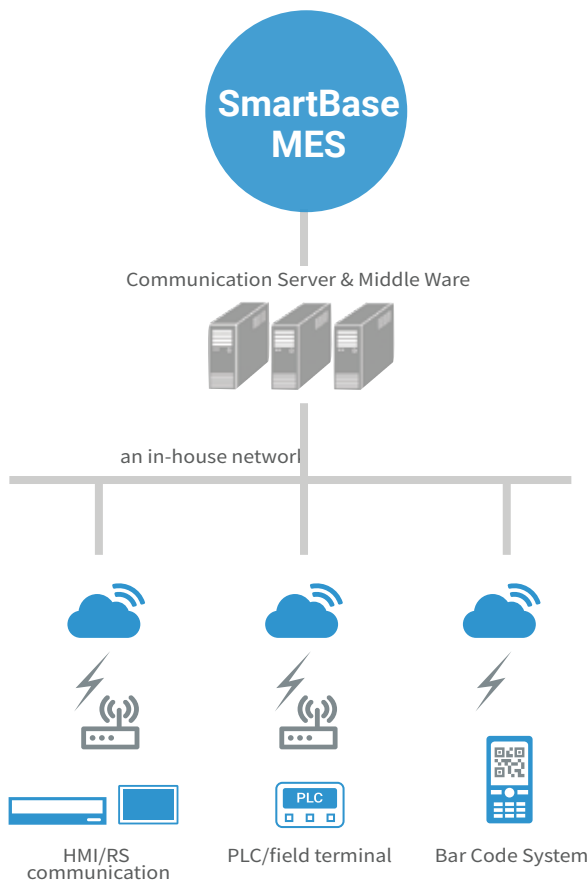
| SmartBase MES Solution Features

Manufacturing Optimized Solutions

Process optimization and process through thorough analysis in advance to improve the process and maintain accuracy of decision information



Utilization of Production Transaction (RAW) Data and Construction of MES using Bar Code



Facility production transaction (Raw Data) management

- Gathering real-time information to support data analysis on facilities such as HMI/PLC/RS232c.
- It supports statistics/analysis by item as a management standard through the use of facility data.
- Increase management efficiency by providing information about facility conditions through facility I/F

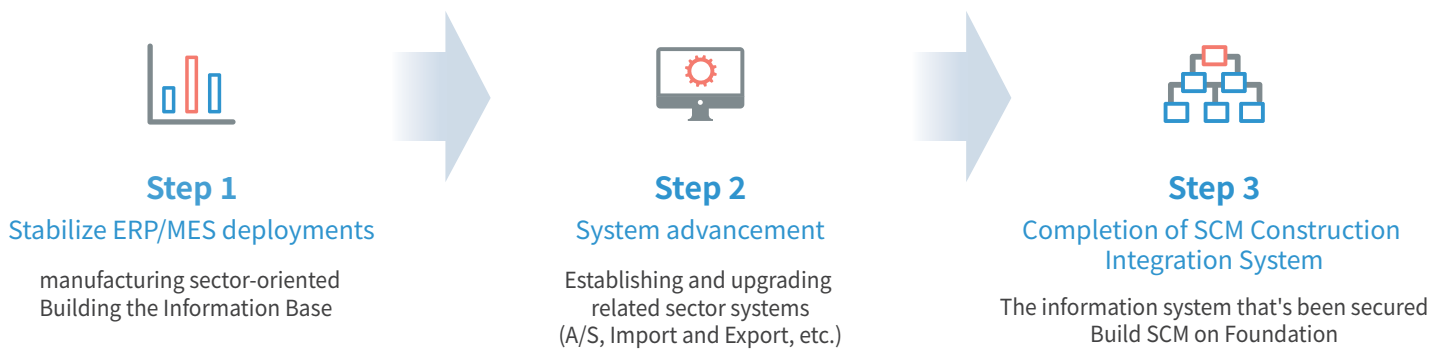
Material Management/Production Management Using Bar Code

- Raw Material Input Management and Work Instruction Management Using Bar Code
- Job allocation and distribution management through calculation of BOM requirements
- Management of workers and working hours, performance management by worker/process
- Systematic Bar Code Management for Raw Materials / Outsourced Products / Finished Products
- Operation instruction and performance management for order performance / On-site performance management through TABLET

LOT History and LOT Tracking Management

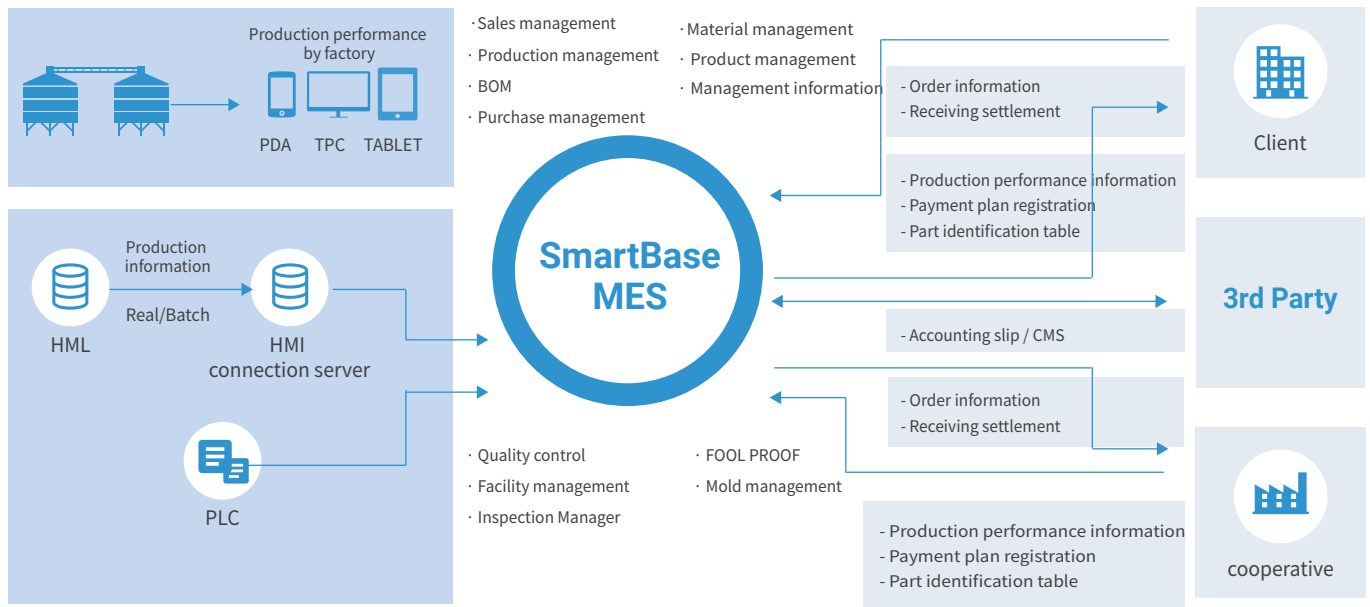
- LOT No according to work instructions, LOT division/integration, first-in-first-out management support, LOT history information can be inquired/retrieved
- Securing LOT traceability by linking process data and inspection data according to operation instruction number/LOT No and managing BOM linkage

Solution Deployment Roadmap



Step 1	Establishment of Information Base focusing on Manufacturing Sector
↓	<ul style="list-style-type: none"> • WMS Construction (Barcode, Tablet PC, Location Management, Product, Material, Warehouse Management) • Establishment of field-oriented ERP/MES systems (Personnel, Accounting, Cost, Sales, BOM, Production, Quality, Purchase, Facility, Mold) • Production history management (tracking of material lot by product, process inspection information, rework history)
Step 2	Establishing and upgrading related sector systems (A/S, import and export, etc.)
↓	
Step 3	Build SCM based on secured information system

SmartBase To-Be Concept

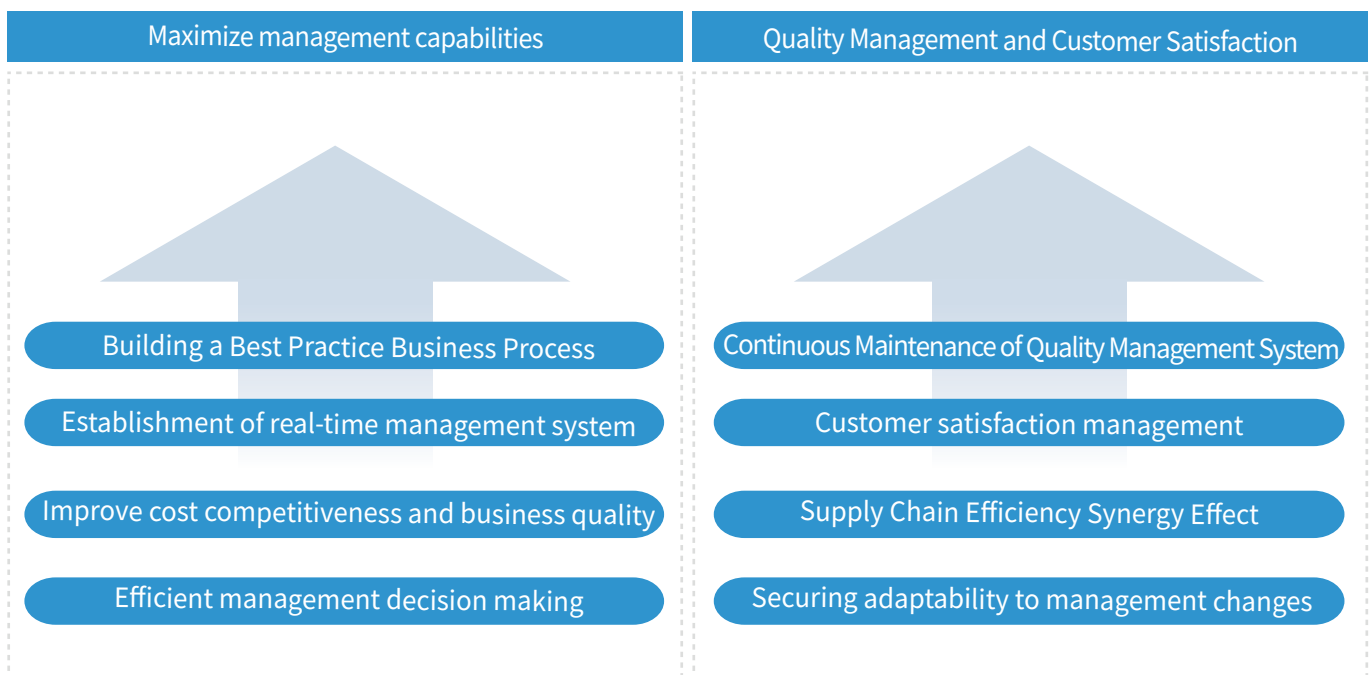


Facility interface Prerequisites

- HMI/PLC information interface for rapid identification of production information and reduction of lead time (efficiency of performance aggregation)
- Prerequisites: Defined in the design stage of "Production Facility Interface Prerequisites"
- Improvement of operation method by introducing barcode system for performance registration work compared to production plan (minimize manual work)

Expectation effectiveness

Gain competitiveness and reduce costs due to increased productivity



Introducing Solution Providers

IT company with extensive experience in information systems

Innbase Inc. has been working on technology development to provide the best solution to its customers. We also have our own Total Solution, and we want to provide you with the best solution you need in a short period of time. It's an IT professional with the ability to deploy at minimal cost



SmartBase Retained Solutions (Self-Development)

MES (Manufacturing Execution System)

It refers to a management system to support activities such as work schedules, work instructions, quality control, and work performance aggregation at a company's production site. It's also called the

QMS (Quality Management Systems)

There are many difficulties in improving quality through analysis of the cause of defects and detection of abnormal factors in the manufacturing process, but the solution is to establish a statistical

MMS (Mold Management Systems)

The mold management system was established to manage mold assets, strokes, preservation management, mold quality, statistical analysis, etc., and the purpose of the system is to systematize efficient maintenance procedures for

Inspection Manager

It is a self-inspection management system that secures the reliability of data and maintains a quality system through poor analysis by sampling, measuring inspection items of plants, heavy objects, and species in major work processes.

FOOL PROOF

It monitors the process condition data in real time and automatically stores the data that occurs at the same time. In the event of NG, an alarm is sent to the operator/manager for immediate action. It fundamentally prevents the leakage of defects.

그룹웨어

Groupware is a system consisting of functions that help corporate members share their work and make decisions, such as electronic payment, in-house bulletin boards, and calendar.

PMS

The project management system is a system that allows you to register, modify, and view projects, and aims to maximize project efficiency through systematic project management and efficient project management functions.

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