Wel-Come

to

Softtech Automation

Innov@tion & Excellence

Industrial Automation & Software solutions.
PLC | SCADA | HMI | DRIVES

Manufacturing & Execution System (MES)

What is Manufacturing & Execution System (MES) ?

- *computerized systems used in manufacturing, to track and document the transformation of raw materials to finished goods*

- *A control system for managing and monitoring work in process on a factory floor.*

- *An MES keeps track of all manufacturing information in real time*
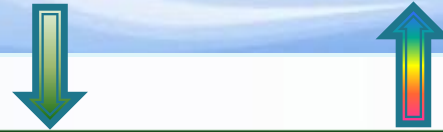
Why Manufacturing & Execution System (MES) ?

● *MES have evolved to fill the communication gap between manufacturing planning system and the control system to run equipment on plant floor*

● *MES provides information that helps manufacturing decision makers understand how current conditions on the plant floor can be optimized to improve production output & efficiency.*

● *MES works in real time to enable the control of multiple elements of the production process (e.g. inputs, personnel, machines and support services).*

● *Connect, monitor, and tightly control your manufacturing operations.*
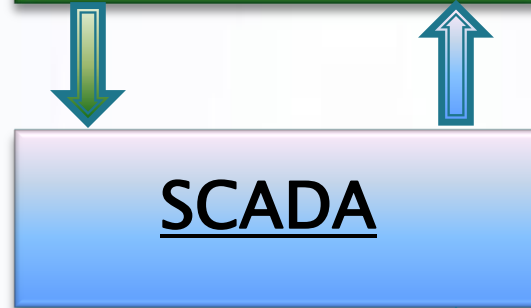
Functional Levels

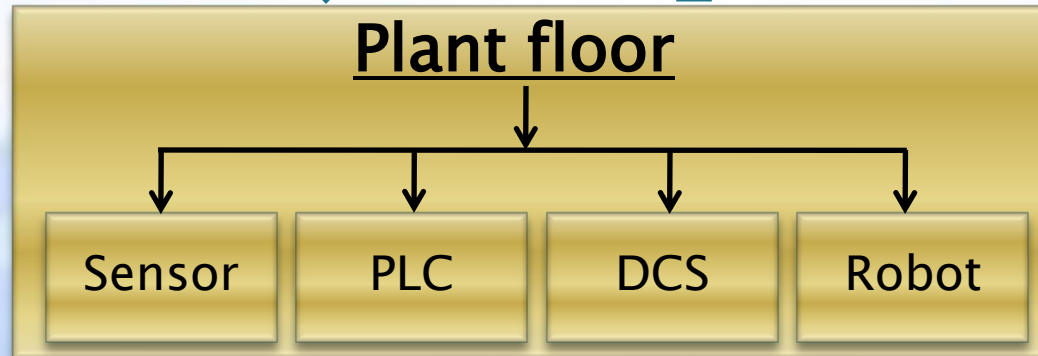Production planning,
Scheduling

Reports & Analysis

MES

Recipes, Processes set points,
Operating instructions

Actual processes conditions,
Performance of equipment,
Operator actions

SCADA

Monitor & Control

Connect, Feedback

Plant floor

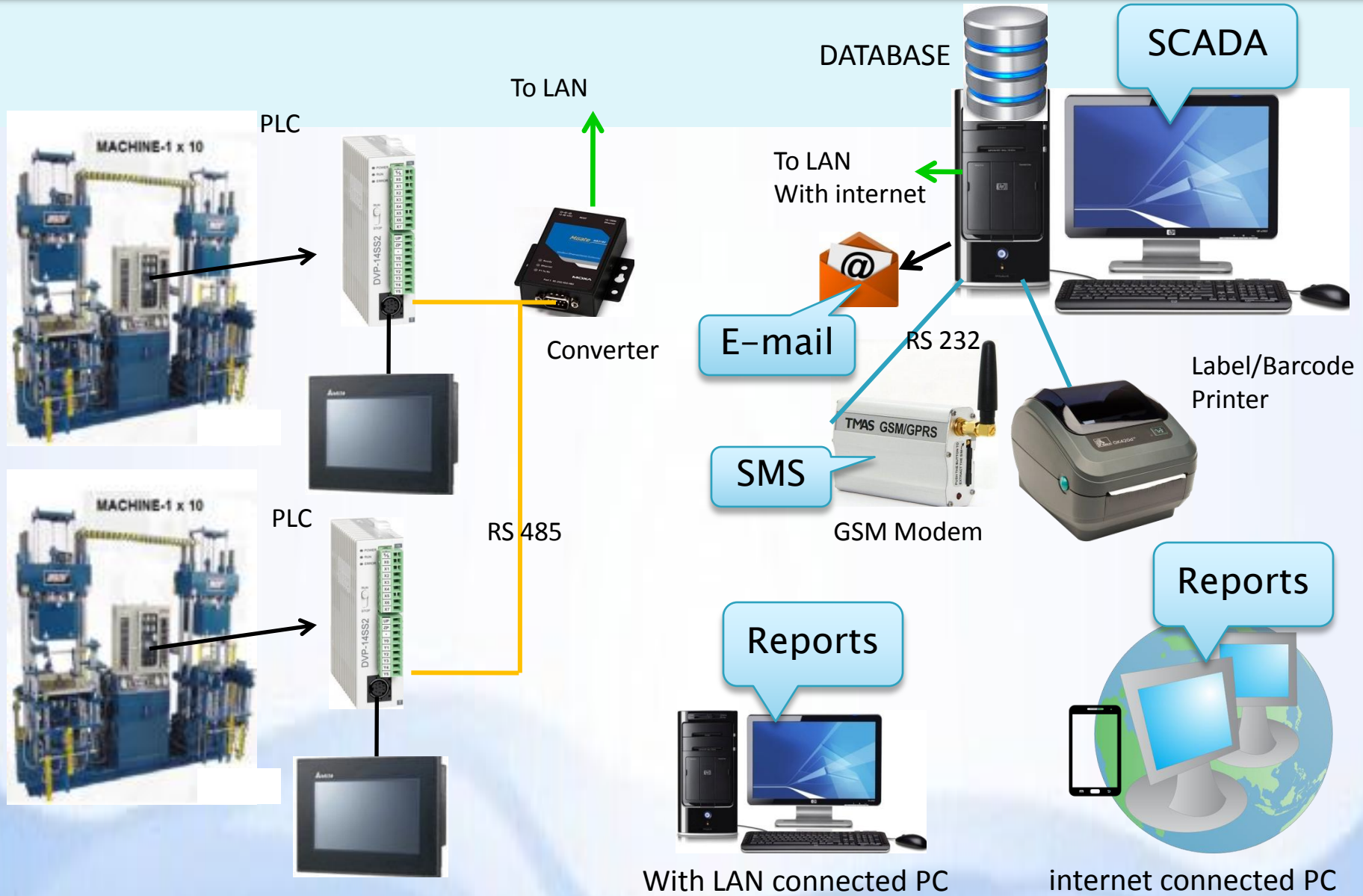| Sensor | PLC | DCS | Robot |

Advantages

- *Production tracking machine wise.*
- *Reduce waste, scrap.*
- *Decreases downtime.*
- *Reduce inventory.*
- *Increases operational excellence.*
- *Improves asset utilization and management of assets.*
- *Reduces manufacturing time.*
- *Reduces paper work & its time.*
- *Improve product quality.*

Scheme

PLC

To LAN

Converter

RS 485

PLC

DATABASE

To LAN
With internet

SCADA

E-mail

RS 232

SMS

GSM Modem

Label/Barcode
Printer

Reports

Reports

With LAN connected PC

internet connected PC

Why We ?

- *We customize software as per customer requirement, so Fits exactly to the business requirements of the company.*

- *Allows you to differentiate from your competitors (as the system is developed for your specific needs.)*

- *We know hardware and software.*

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Thank you !!! 🙂

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Softtech Automation

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