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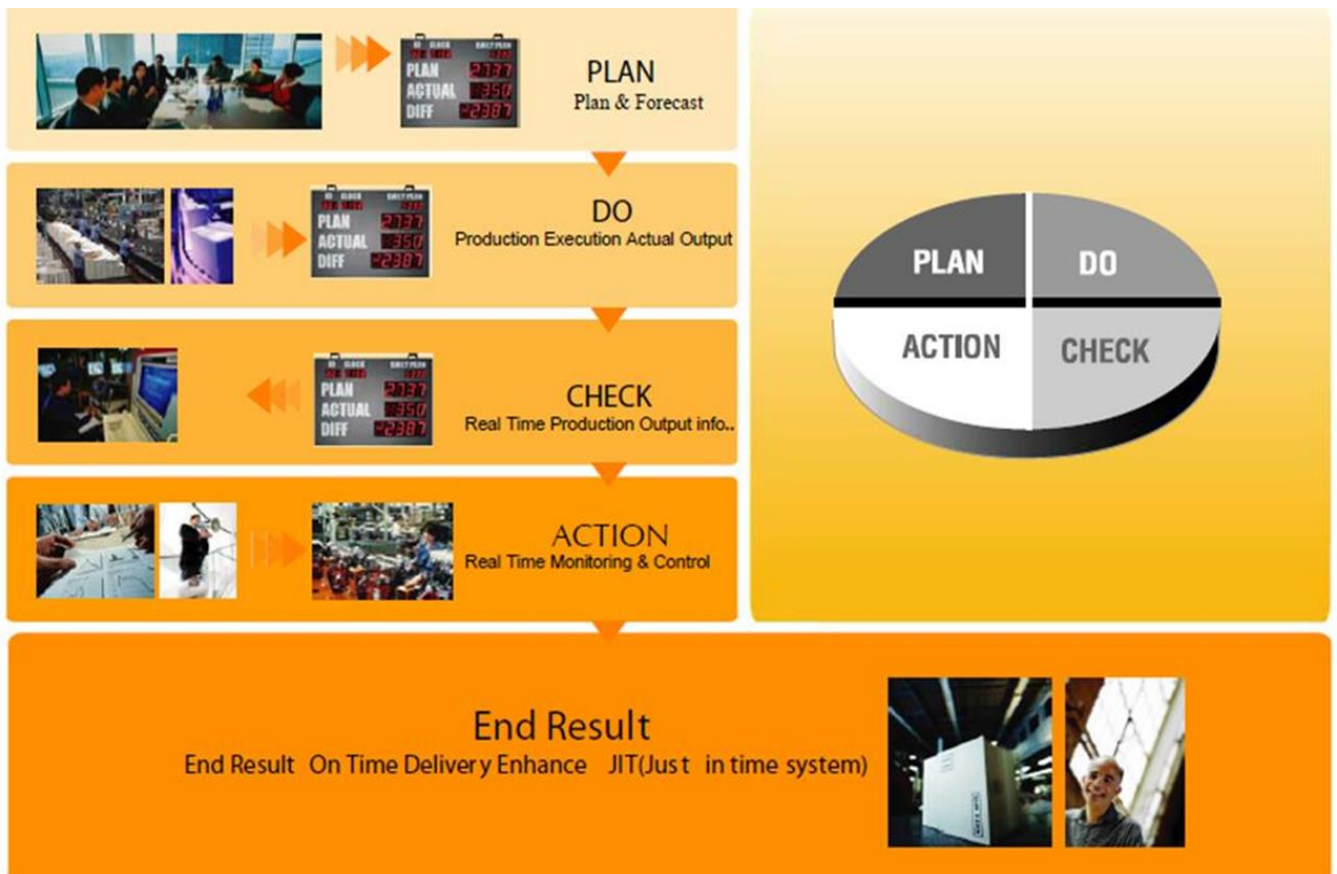## Production Real time Monitoring System

INNOVATION & TECHNOLOGY

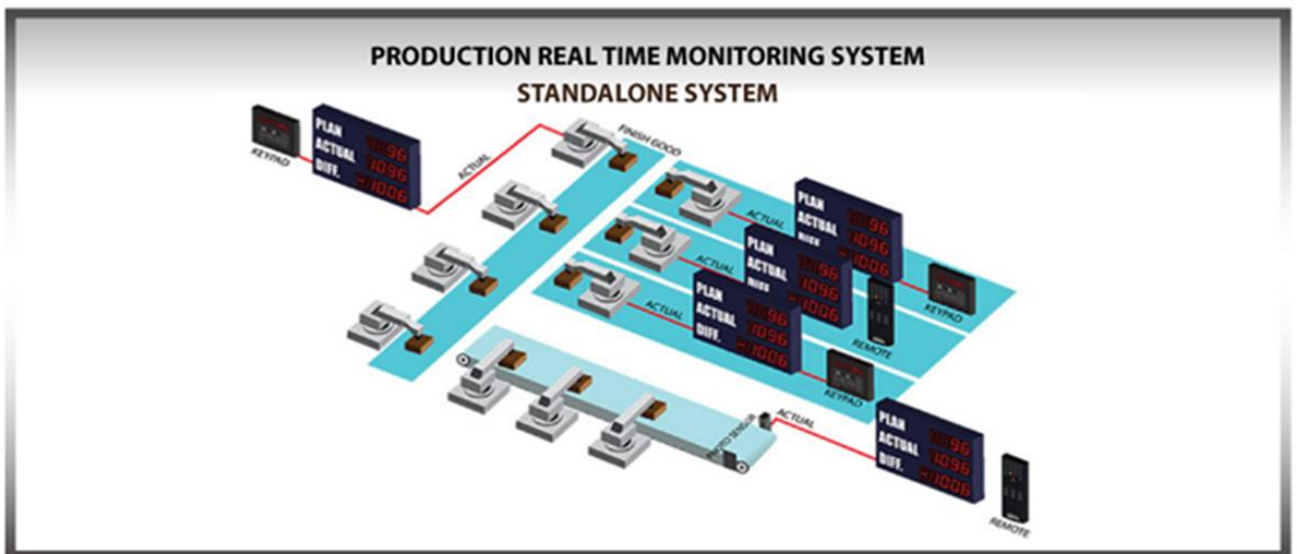# Production Real time Monitoring System

System Overview

The system is designed for use in all industries are counted or control production in order to minimize losses that might occur in the process. The increase productivity or the ability to control the production and performance of personnel. Real-time visibility into manufacturing (REALTIME) can be connected to a system NETWORK (RS 485) controlled and displayed through a computer program. Moreover, it can also Display of banners all over a LAN or INTERNET unlimited number of machines based on demand management. Or to manage the display of the sign is the only major production, it can be done. Which supports the production system, TPS (TOYOTA PRODUCTION SYSTEM).

PLAN
Plan & Forecast

DO
Production Execution Actual Output

CHECK
Real Time Production Output info..

ACTION
Real Time Monitoring & Control

End Result
End Result On Time Delivery Enhance JIT(Just in time system)

PLAN | DO
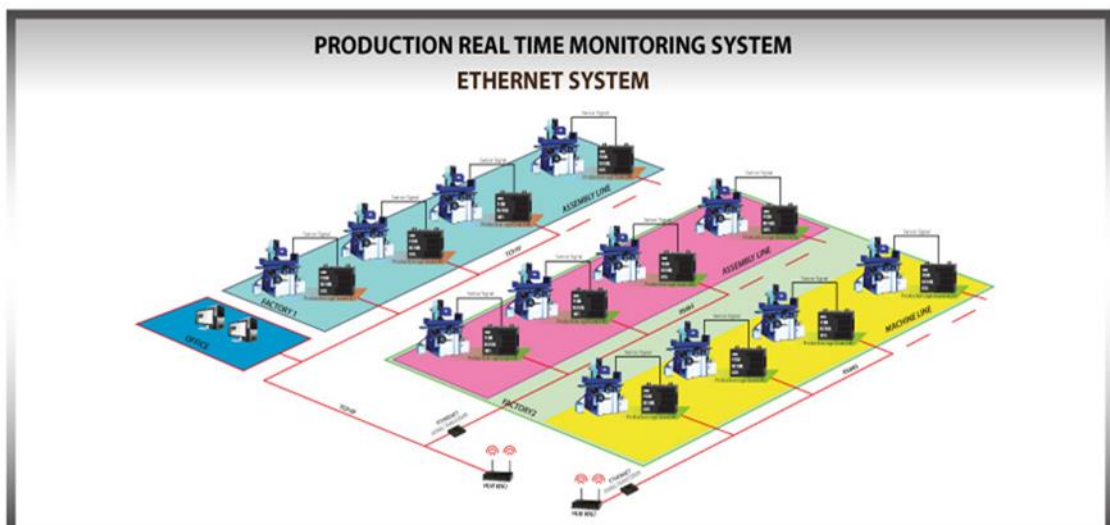ACTION | CHECK

STAND ALONE SYSTEM

Production real time monitoring system (PMS) can be interconnected in a stand alone system by changing the system in which the board via Remote or Keypad Stand alone will not be able to store all your settings. From work and unable to keep a database to retrieve it later. Fees collected will be displayed to a display board production only.
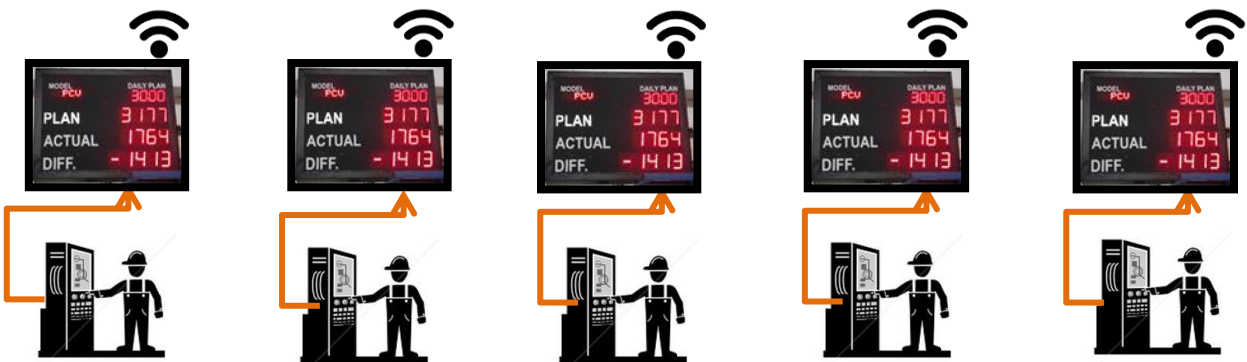

PRODUCTION REAL TIME MONITORING SYSTEM
STANDALONE SYSTEM

Production Real time Monitoring System

NETWORK SYSTEM

System Production real time monitoring system (PMS) can be interconnected in a system. Network (RS485) operation. And Display Computer software (with the data stored in the database), more than it can display all of banners via LAN or INTERNET unlimited number of machines based on demand management. Display banners or manager of a group. Only the major production systems can be connected to either Network can take the board with the information display. Boards that do not display the data using I / O Module, Production No Display, Remote I / O values and bring value to display information on a large board. Or stored in a database table into a Microsoft Excel database MySql.

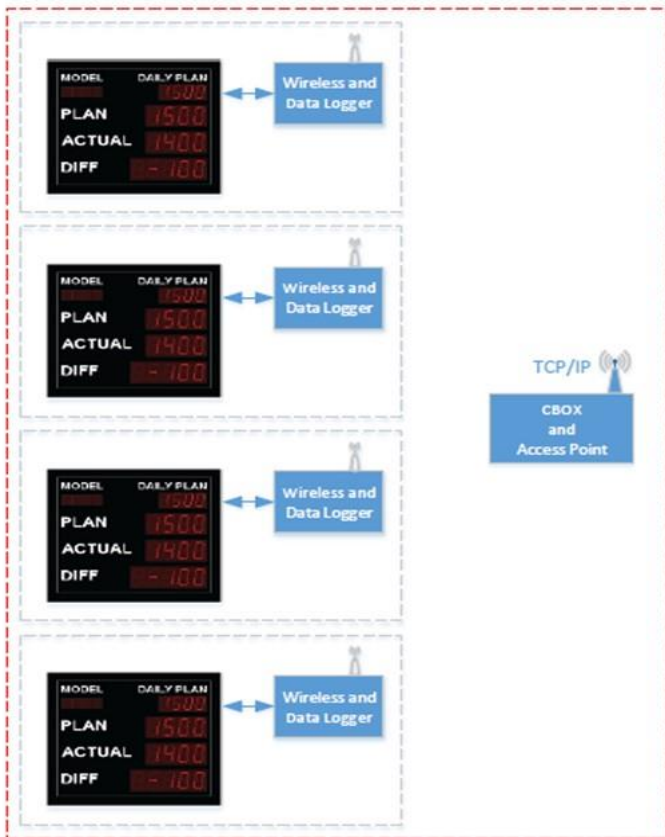■ Production Real Time Monitoring System Diagram (WIFI)

MODEL PCU — DAILY PLAN 3000
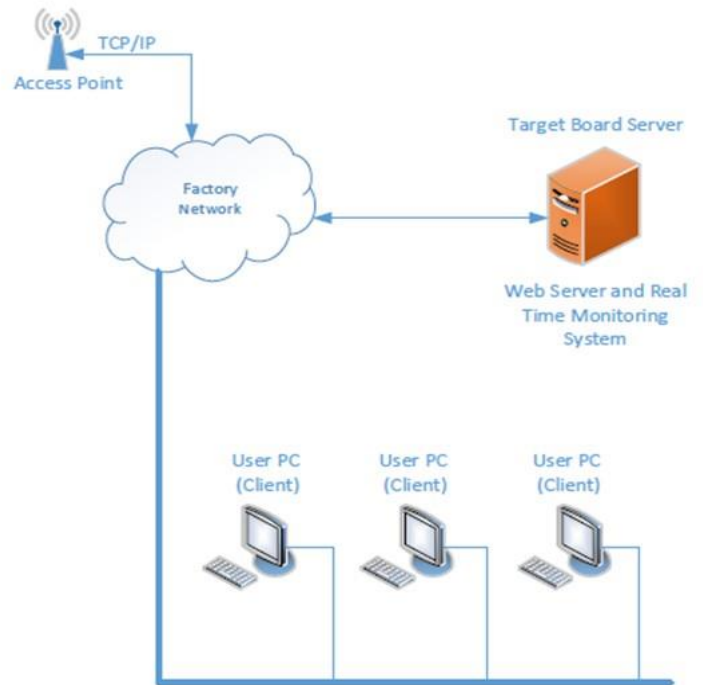PLAN 3177
ACTUAL 1764
DIFF. - 1413

MODEL PCU — DAILY PLAN 3000
PLAN 3177
ACTUAL 1764
DIFF. - 1413

MODEL PCU — DAILY PLAN 3000
PLAN 3177
ACTUAL 1764
DIFF. - 1413

MODEL PCU — DAILY PLAN 3000
PLAN 3177
ACTUAL 1764
DIFF. - 1413

MODEL PCU — DAILY PLAN 3000
PLAN 3177
ACTUAL 1764
DIFF. - 1413

PC / Server

Wifi router

Production Management
- Real time monitoring
- Control / Setting
- Recording
- Reporting
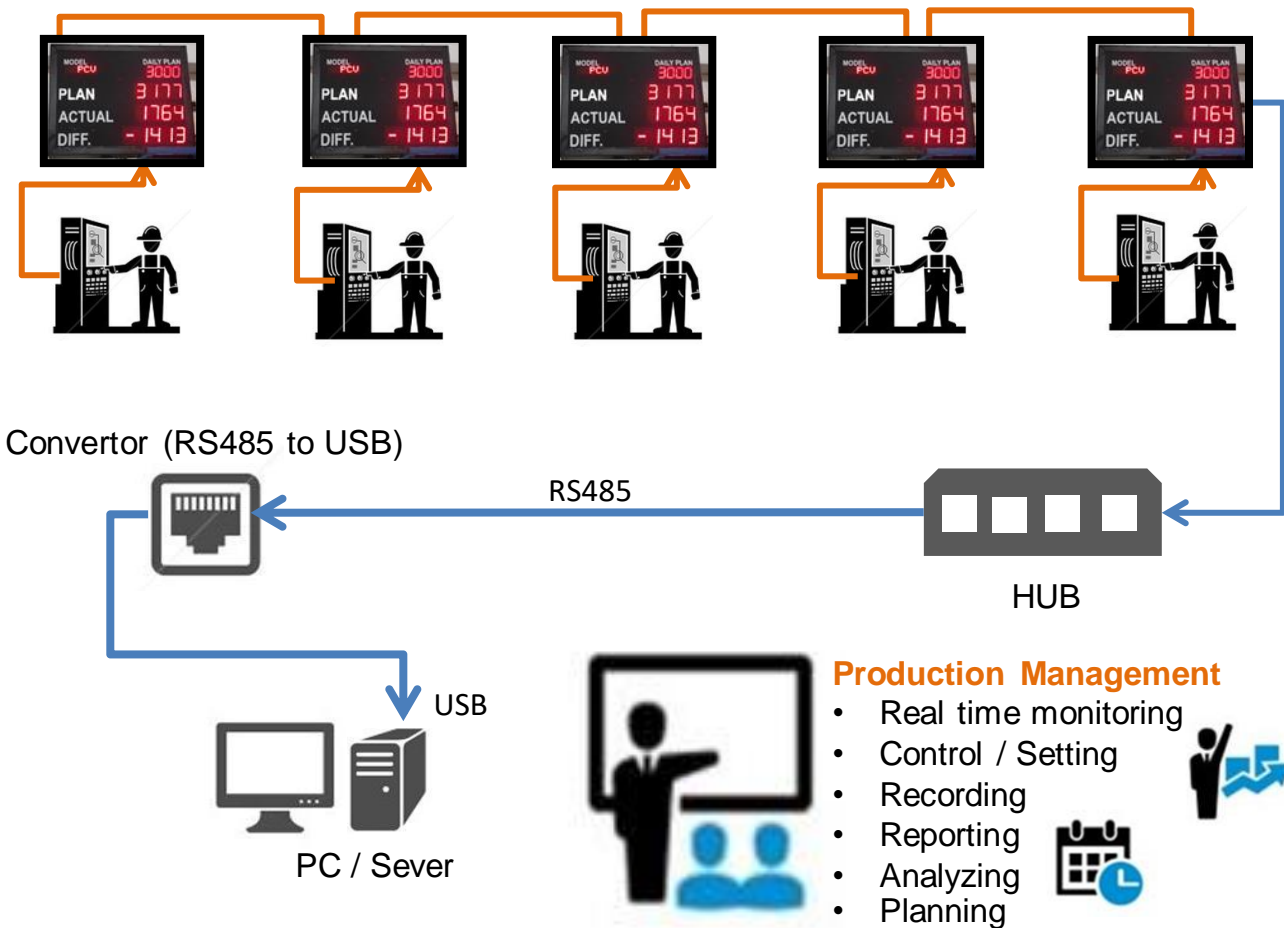- Analyzing
- Planning

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■ Production Real Time Monitoring System Diagram (WIFI)
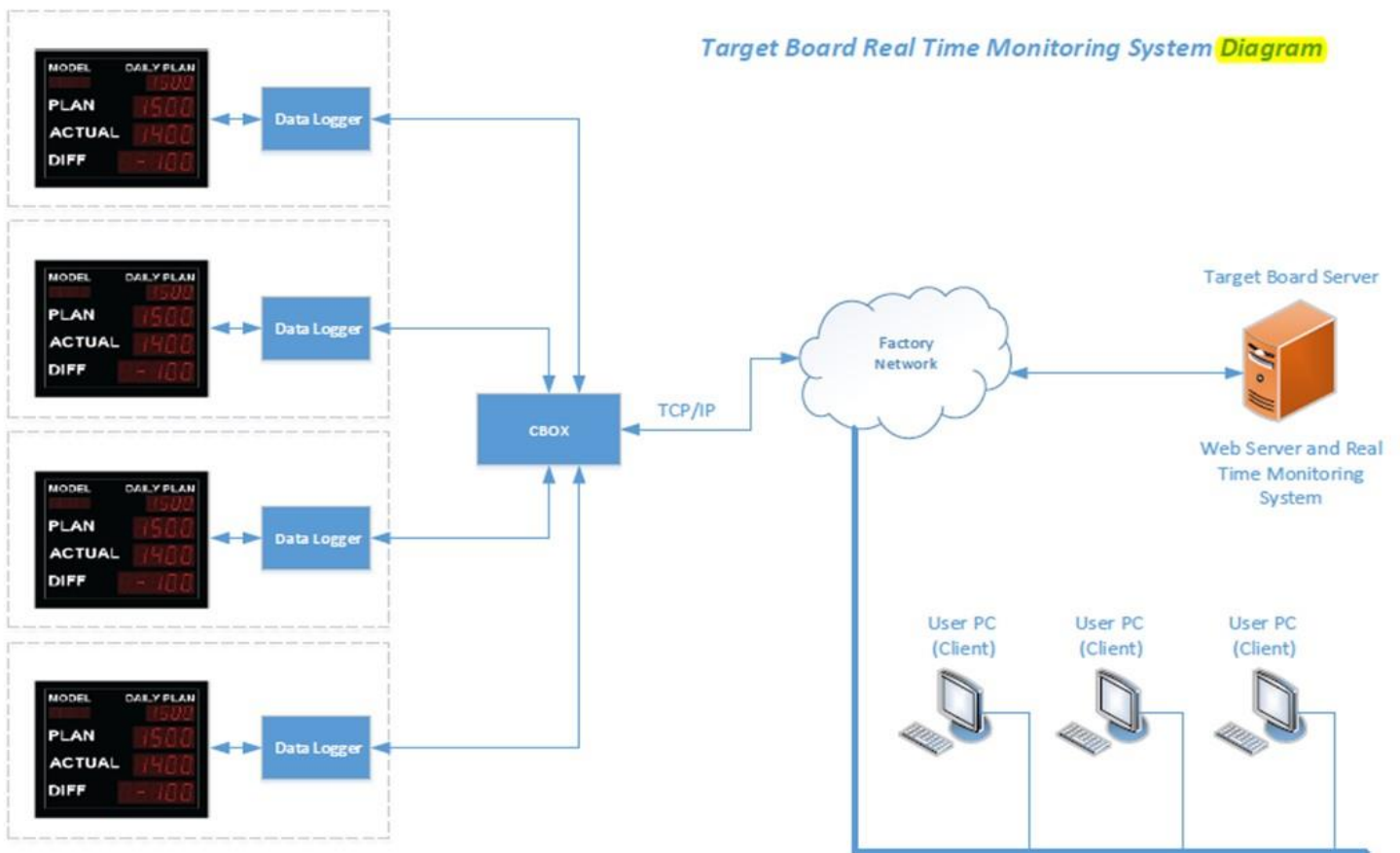
Target Board Real Time Monitoring System Diagram
(Wireless)

■ Production Real Time Monitoring System Diagram

Convertor (RS485 to USB)

RS485

HUB

USB

PC / Sever

Production Management
- Real time monitoring
- Control / Setting
- Recording
- Reporting
- Analyzing
- Planning

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Production Real Time Monitoring System Diagram

Target Board Real Time Monitoring System Diagram

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■ Production Real Time Monitoring System Software