

COMPANY PROFILE



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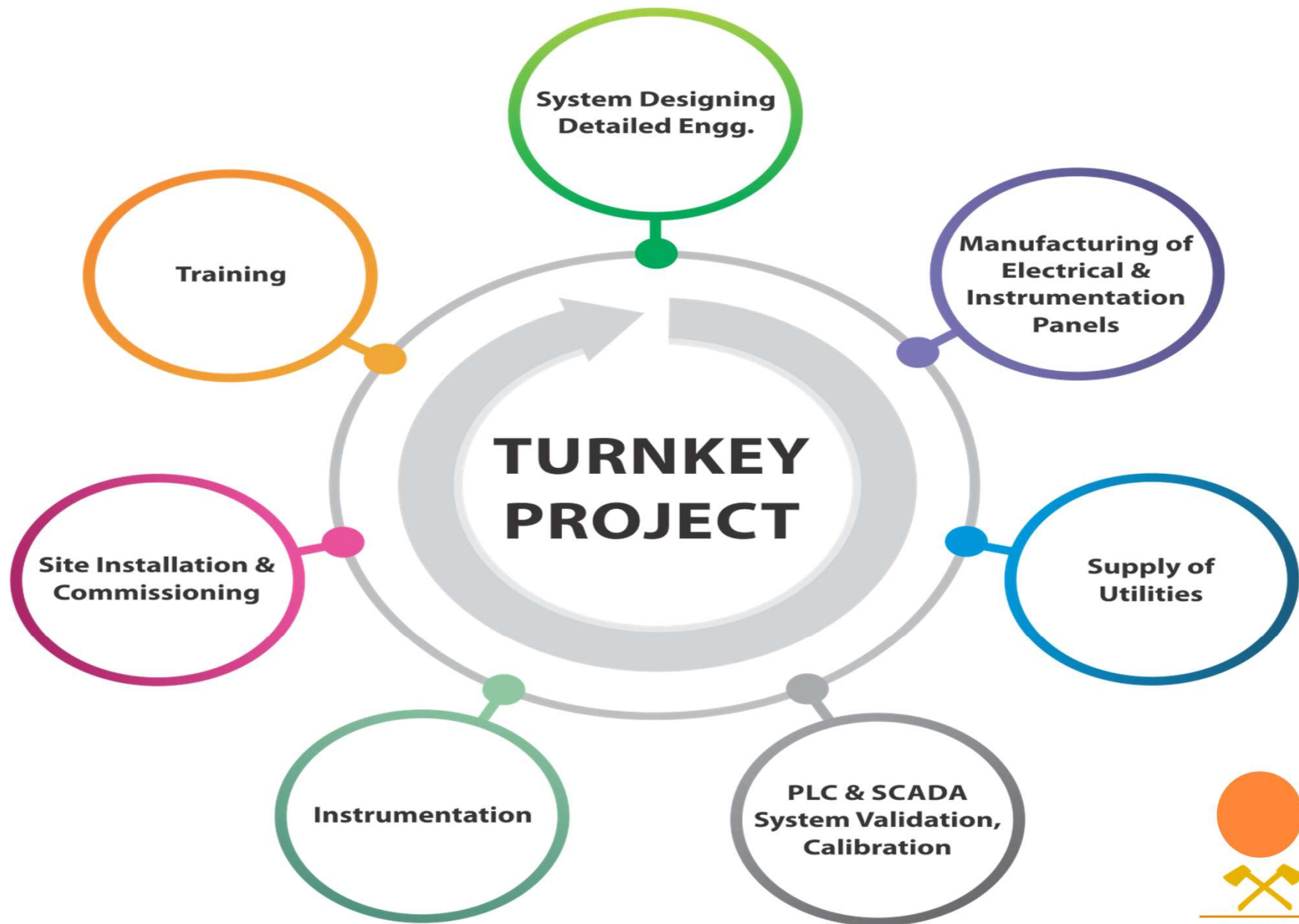
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OVERVIEW

- PLC/HMI/SCADA Based Solution
- IOT Solution
- Vision Inspection System
- Safety Product Solution
- Special Sensor Based Application Solution
- Control Panel

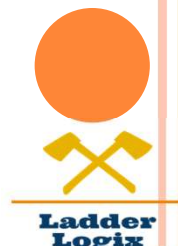
PLC HMI SCADA SOLUTION



PLC HMI SCADA (AMC)

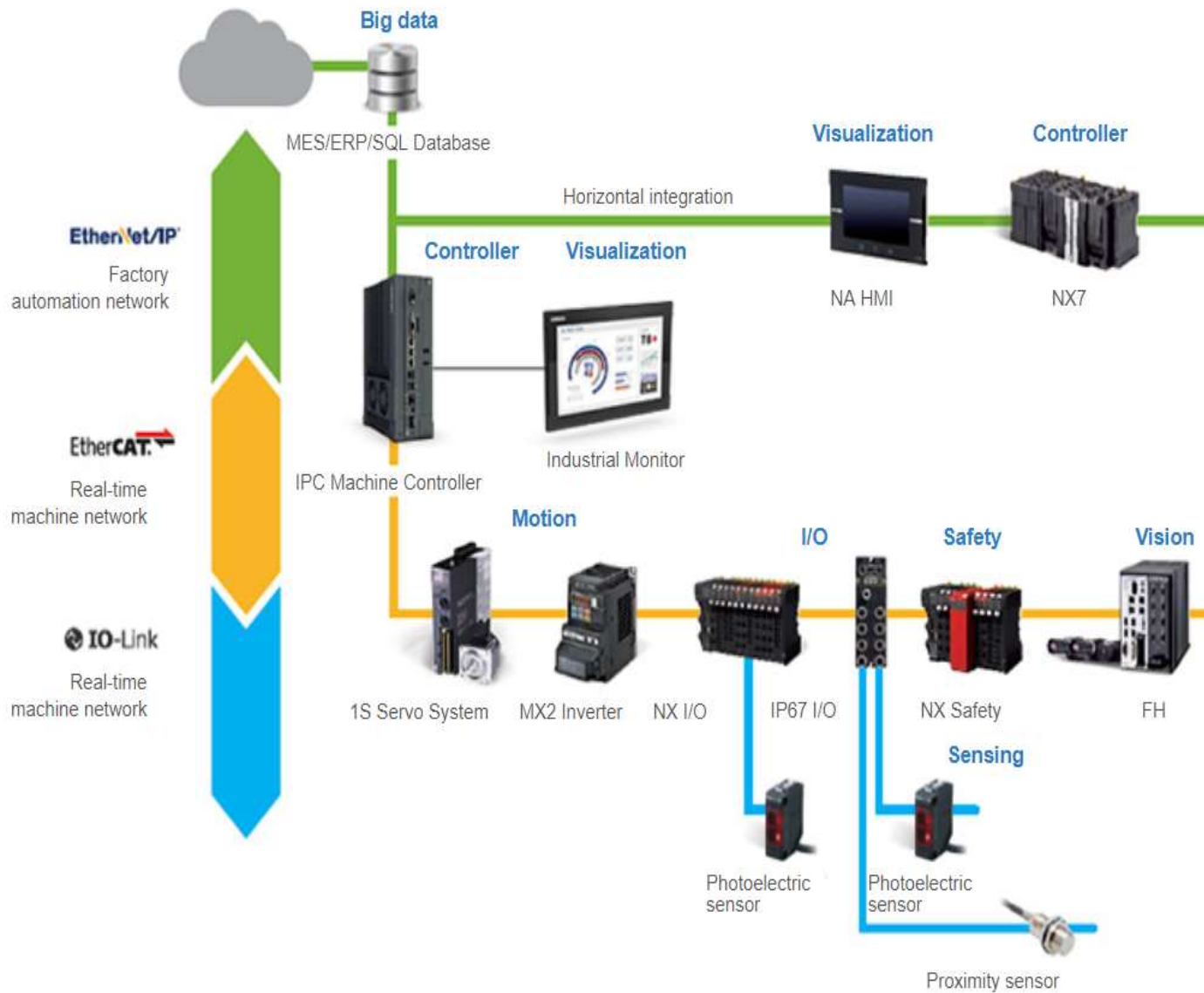
Before the start of AMC, we survey the plant & existing install base of automation systems. Under this contract we will undertake the following services :

- Routine check for Healthiness of the installed PLC hardware and HMI software.**
- Study the history of alarms & events to offer you changes in Software and Hardware to obtain better system stability.**
- Checking Healthiness of existing SCADA machine including virus check.**
- Checking Panel Wiring, Power Supplies, Earth Pits.**
- Checking Activation, updates of Software Licenses & firmware which are within warranty.**
- Taking backup of Data, Software & logic.**
- Minor Rectifications in the software can be carried out as and when required.**

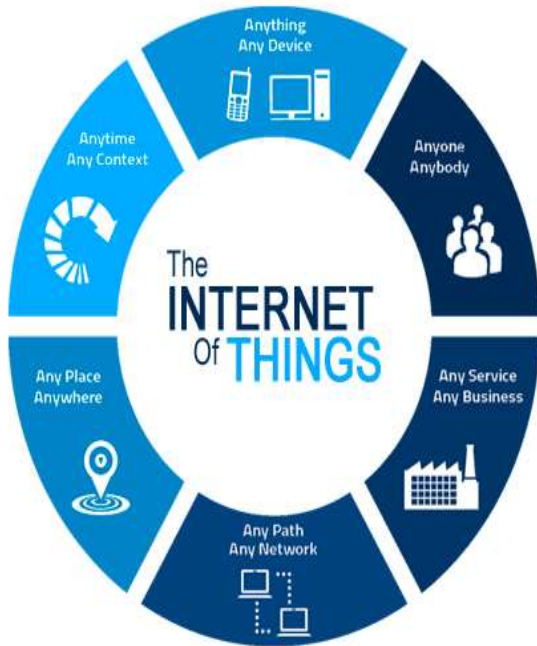


IOT SOLUTION

Sysmac Integrated Platform



IOT SOLUTION



Iot Based Smart Manufacturing

Why IOT System Is Required ??

1. I- Raw Material Consumption
2. Electric Power Consumption
3. Manpower cost
4. Utility Consumption
5. Effective utilization of assets , like process units (machines, vessels) etc.....

VISION INSPECTION SYSTEM

Vision Sensors / Machine Vision Systems

Vision Sensors/Machine Vision Systems analyze images to perform appearance inspections, character inspections, positioning, and defect inspections.

► Vision System



This package-type Vision Sensor provides both high-end inspection capabilities and excellent processing speed.

► PC Vision System



An easily customizable, PC-based image processing system.

► Smart Camera



These integrated cameras provide a cost effective solution for a wide range of vision applications.

► Lighting System



A wide variety of more than 200 Lightings for measurement using Vision Sensors.

► Lens



A wide range of products allows you to select the optimal Lens for each application.

► Other Vision Sensors



Smart sensors with LCD monitor and high-speed CCD cameras.

VISION INSPECTION SYSTEM

- **Applications of vision system include:**

1. **Presence/Absence detection**
2. **Defect detection**
3. **Automated vision test & measurement**
4. **Pattern matching**
5. **Vision guided robot**
6. **Part verification (orientation, function, dimension, finished part features)**
7. **Optical character recognition & verification (OCR/OCV)**
8. **Color verification**
9. **Sorting**
10. **Barcode reading and traceability**

SAFETY SOLUTION

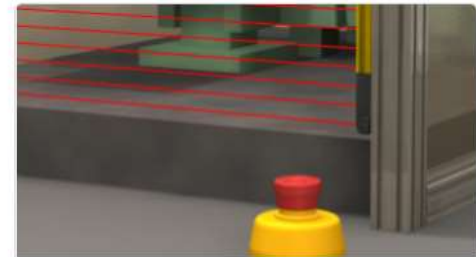
Product Categories



SAFETY LIGHT CURTAINS



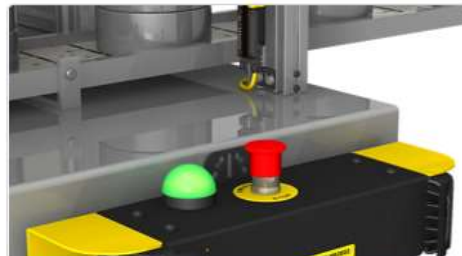
SAFETY CONTROLLERS AND...



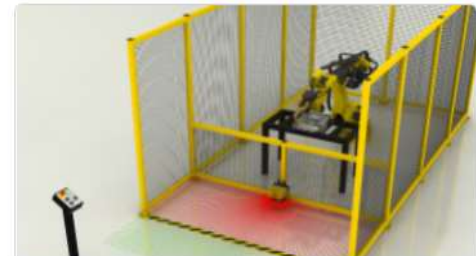
EMERGENCY STOP AND STOP...



SAFETY SWITCHES



TWO-HAND CONTROLS



SAFETY LASER SCANNERS



SAFETY ACCESSORIES



MACHINE SAFETY SOFTWARE

SAFETY SOLUTION

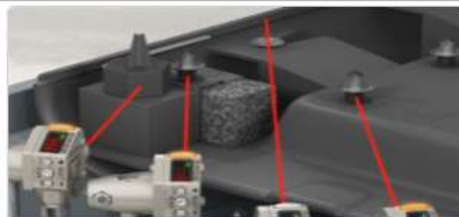
- **This solution will help you:**
- Provide an understanding of machine and process safeguarding
- Build a foundation for a safer, more productive manufacturing operation
- Ensure machines or processing lines are safeguarded according to the current standards
- Ensure there is a documented risk reduction strategy Save money because machine safety improvements only need to be done once
- Save costs from litigation by helping eliminate workplace injuries
- Ensure machines remain productive after safeguarding is installed
- Bring machines into compliance with all applicable standards such as OSHA, ANSI, RIA, NFPA, NEC, CSA, EN, IEC and ISO
- Save on insurance carrying costs, such as paying high workers' compensation premiums
- Protect against replacing damaged goods and machinery
- Boost employee morale by creating a perception of a safe workplace



SENSOR SOLUTION



PHOTOELECTRIC SENSORS



LASER DISTANCE MEASUREMENT



ULTRASONIC SENSORS



FIBER OPTIC AMPLIFIERS



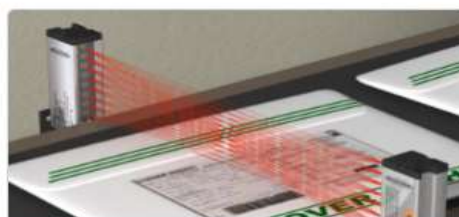
FIBER OPTICS



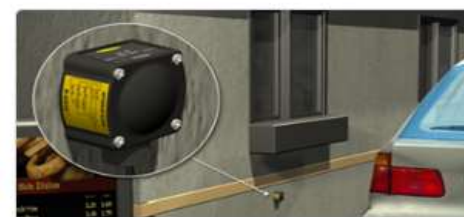
MEASURING ARRAYS



REGISTRATION MARK, COLOR AND...



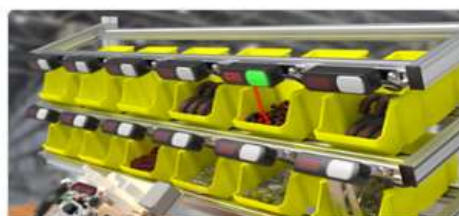
SLOT SENSORS AND PART...



RADAR SENSORS



TEMPERATURE & VIBRATION...



PICK-TO LIGHT SENSORS

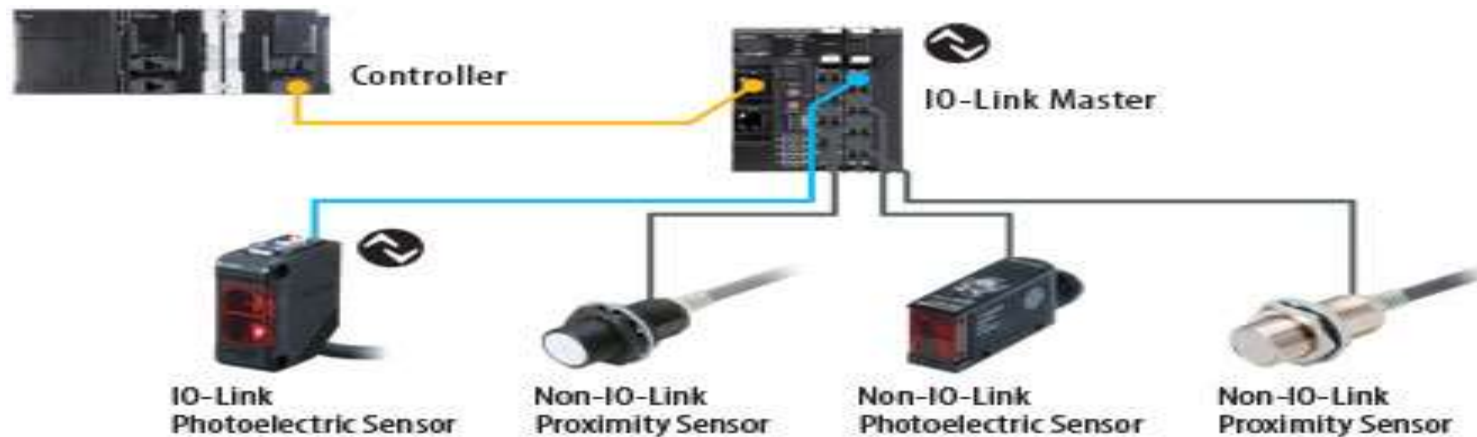


SENSOR SOFTWARE

SENSOR SOLUTION

We provide the sensor solution for

- Detect
- Measure
- Analyze
- And process various changes that occur on productions sites, such as changes in position, length, height, displacement, and appearance.



CONTROL PANEL



INDUSTRY WE SERVE



Automotive



Consumer Products



Electronics



Food and Beverage



Logistics



Medical Devices



Other Industries



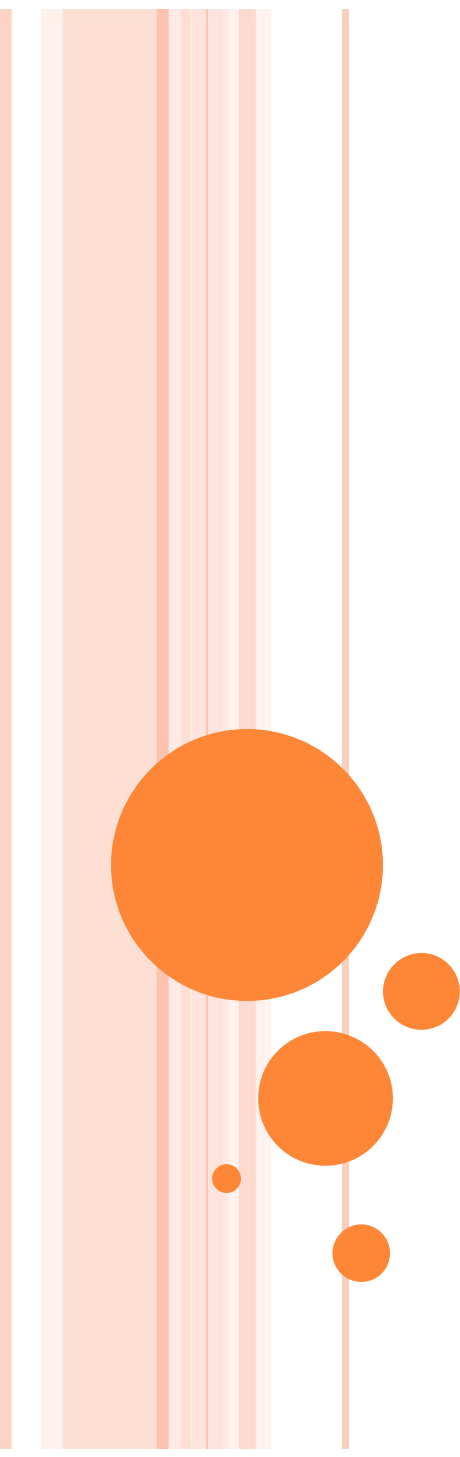
Packaging



Pharmaceuticals



Solar



THANKS