Seminar on
Smart Manufacturing & Automation Technology 2017

12 January 2017

Level 10, Perdana Hall, MIDA

MITI MALAYSIA
MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY

Organizer:
MIDA
MALAYSIAN INVESTMENT DEVELOPMENT AUTHORITY

Supporting Partner:
Rockwell Automation

PAVING THE WAY FOR SMART MANUFACTURING

Presented by DK

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BRIEFLY ABOUT SOPHIC

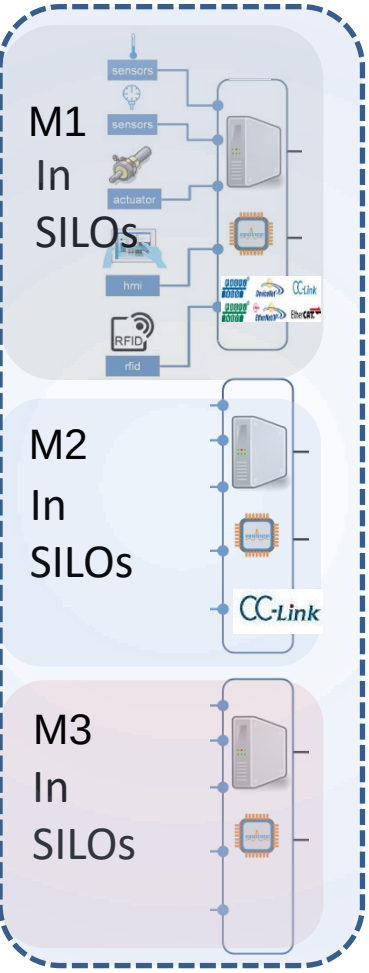
Sophic aims to be a global system integration specialist in enabling Smart Manufacturing implementations for factories worldwide via our integrated Industrial Internet of Things solutions. A pure play TECHNOLOGY company, we have delivered proven automation solutions to more than 40 MNCs & SMEs in South East Asia.

Although already into it's 9th years, **Sophic** is still very much a startup deep down. despite the volatile economic climate, we've been able to maintain a CAGR growth of 30% for the 8 years since establishment. In the past 3 years, we expanded our presence into KL and Ho Chi Minh, beyond Penang island, beyond Malaysia, and beyond semiconductor.

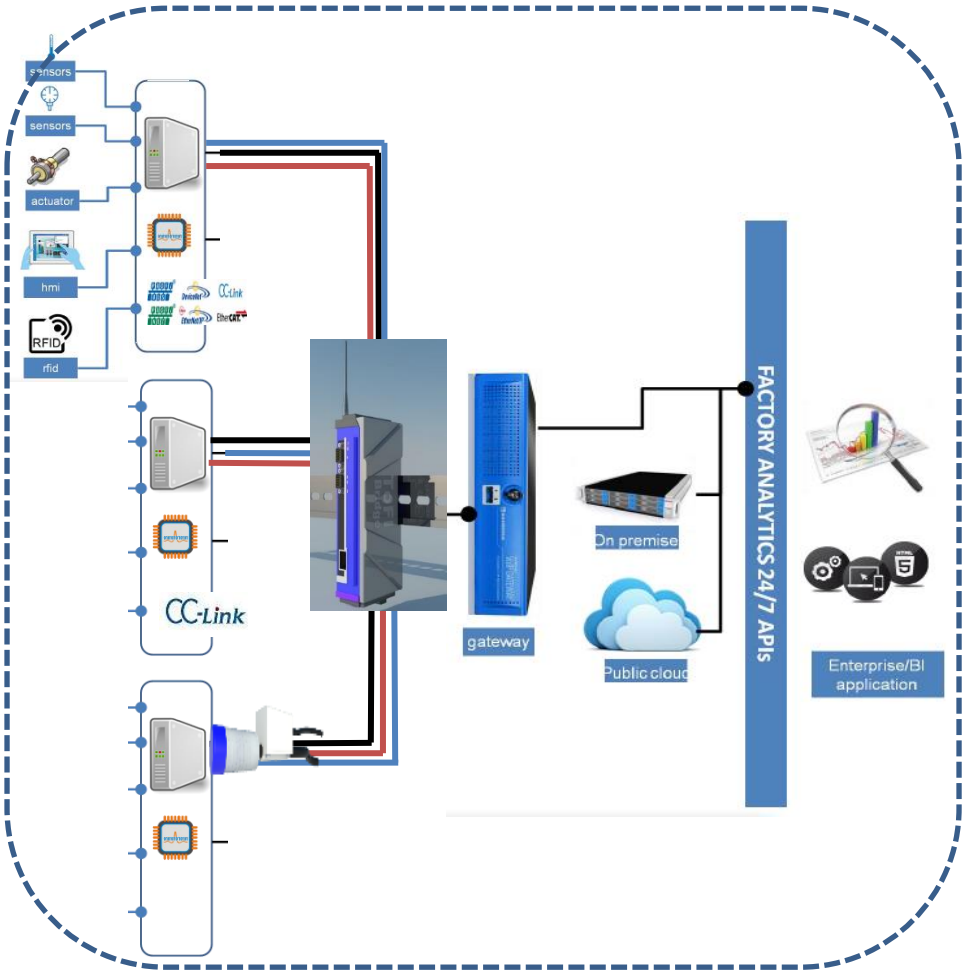
WHY ADOPTING AUTOMATION & SMART MANUFACTURING?

INTEGRATION AND AUTOMATION CHALLENGES

CURRENT



AFTER



BENEFITS

CONNECTING SILO DEVICE/CONTROLLER FROM VARIOUS PROTOCOLS IN OT TO IT:

- Accurate equipment health monitoring
- Allow remote control
- Eliminate human errors, downtime, provide safety.

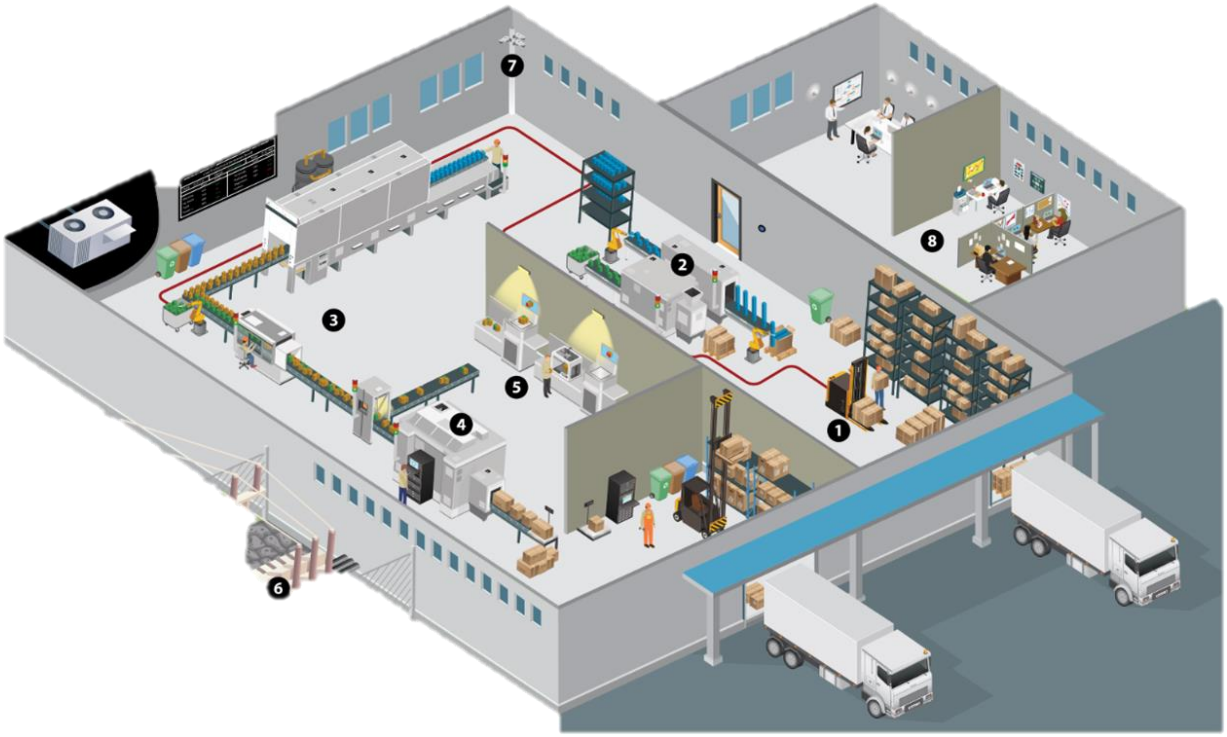
INNOVATION

AGILITY

EFFICIENCY

RISK

SMART MANUFACTURING IMPLEMENTATION



Legend

1. Warehouse / Inventory Management
2. Material Preparation / Machining
3. Process, Assembly, Robotics
4. Packaging and Material Handling
5. Quality and Testing
6. Facility & Energy Management
7. Safety and Security
8. Enterprise Applications

- ✓ Set strategic direction at the executive level, make OT/IT convergence a strategic priority
- ✓ Use Industrial IoT as a catalyst for convergence between OT & IT organizations
- ✓ Form a special working group committee to share knowledge and align business practices
- ✓ Start with a pilot program, from field to cloud
- ✓ Find the right partner, who else?

PRODUCTION SHOP FLOOR MONITORING SHOWCASE

Description:

Production shop floor monitoring is an effective application for both operation and management to monitor and manage production processes and lines

- Hardware & software implementation
- Open standard OEE alignment

Module list

- Andon
- OEE Dashboard
- Alarm / Alert Triggering
- Traceability & Pokayoke
- Machine interface (Gateway and Industrial Protocol)

THANK YOU

Sophic

Visit our webpage:
www.sophicautomation.com

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