



**Ben Thanh  
Automation  
Co.,Ltd**



With 20 years of experience in the industry, we are confident that we are capable of implementing projects in the following areas:

-  **Integrated Automation Control Systems**
-  **Providing Industrial Robot Solutions**
-  **Digitizing Conventional to Smart Factory**
-  **Distributing Automation Equipment**
-  **Installing Solar Power Systems**

# COMPANY PROFILE



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## ABOUT BENTHANH AUTOMATION

The Trusted Partner of Manufactures!



Our History



Mission & Vision



Starategic Business Units

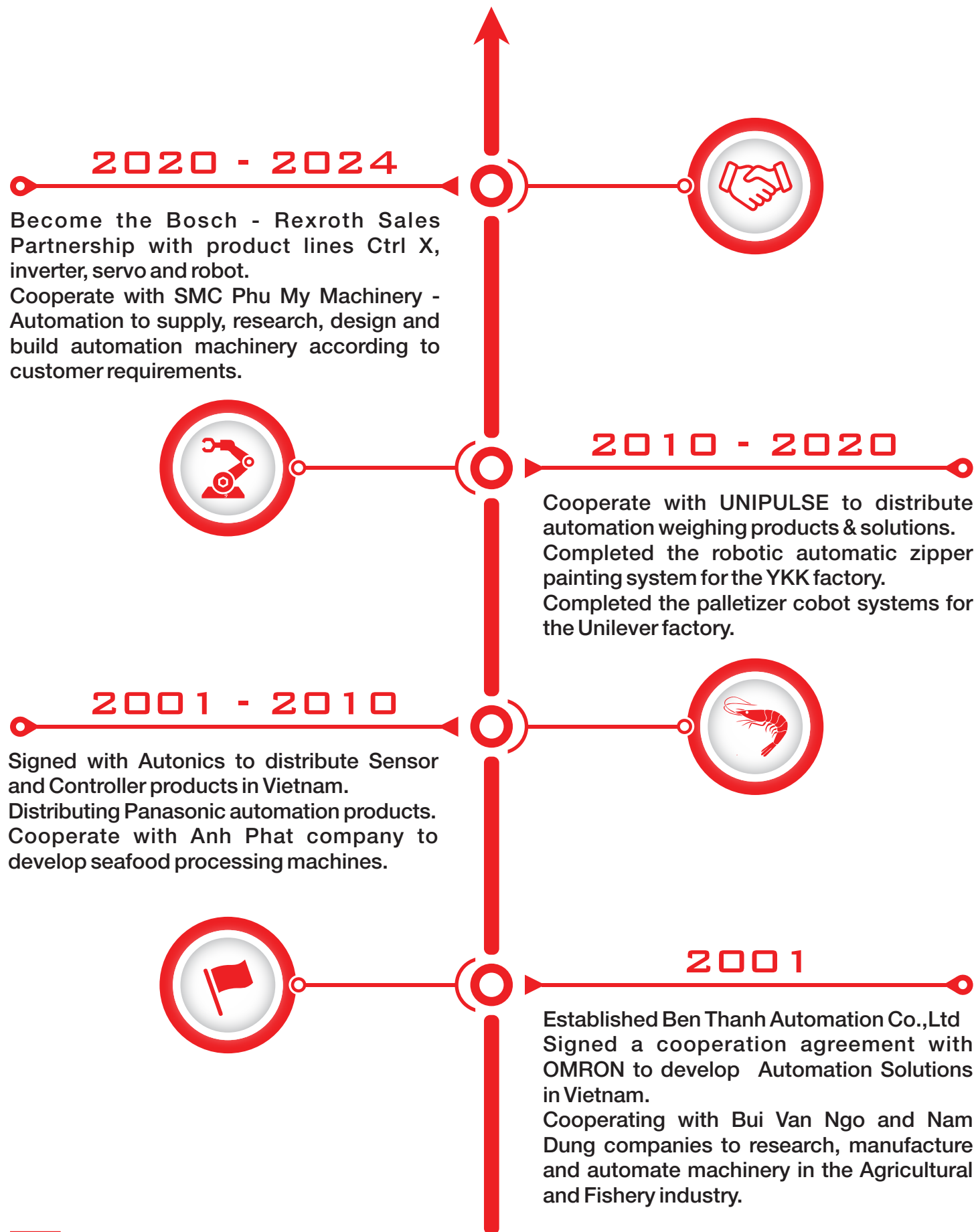


Partners & Customers



Certificate & Agreement





## Our Mission

BEN THANH Automation is always the trusted partner of Manufacturers!

## Our Vission

We look forward to contributing more to the community through the following activities:

- ✓ Research, develop and train human resources
- ✓ Production, trade and automation technical services
- ✓ Building solutions to widely apply automation technology in all fields of life.







## Integrated Automation Control System

**Benthanh Automation** has over 23 years of experience in automation. We not only survey, consult, design and build fully automation control systems, but also upgrade and integrate automation solutions based on your existing production lines.

## Robotics Solutions

As a partner of Omron, Yaskawa and Bosch - Rexroth, we always provide customers with diverse application robot solutions in many different fields of industry. Along with that is our commitment to speed, precision, efficiency, and long-term reliability.



## Smart Factory

Following the wave of 4.0 Industry, we provides SCADA, IoT solutions, ... to help monitor the system remotely. Combined with automations and robotics solutions, ... that allow **Benthanh Automation** to digitize your factory.

## Solar Power

Our company not only installs on-grid solar power system from 2KWp to 1MWp but also provides off-grid and hybrid solar power application solutions, especially for agriculture. In addition we also distribute Panasonic solar panels.



**YASKAWA**

**UNIPULSE**

**rexroth**  
A Bosch Company

**OMRON**

**Autonics**



**NAMDUNG**  
EQUIPMENT  
BEST SOLUTIONS FOR SUSTAINABLE DEVELOPMENT

**MINH PHU**



**QUEEN**  
NỆM VẠN THÀNH

**Unilever**

**TOVICO**

**VTV**

**VEDAN**

**YKK**  
Little Parts. Big Difference.

**BuiVânNgô**

**FamilyMart**



Certificate of  
Sales Partnership  
from BOSCH - REXROTH



Certificate of  
Authorized Distributor  
from OMRON



Cooperation Agreement on  
Machine Building Industry  
SMC PHU MY - BEN THANH



Certificate of  
Authorized Agent  
from AUTONICS



Certificate of Authorized Agent  
from YASKAWA



Cooperation Agreement on  
Business Development of Robotic Solutions  
BEN THANH - OMRON - BUI VAN NGO



## BENTHANH AUTOMATION

### Typical Projects

Rice processing plants

Color coated cold corrugated iron production lines

Improving safety for fiber production lines

Seafood product processing lines

Automatic paint robot system

Palletizing robots

Digitizing Bui Van Ngo mechanical factory

Grid-tied solar systems





## RICE PROCESSING PLANTS

Ben Thanh started cooperating with Bui Van Ngo company from the early days of its establishment by providing complete mechatronic solutions, automation equipments, robots; PLC, HMI & SCADA programming,... In addition to cooperation in manufacturing agricultural mechanical machines, rice production lines, we are also involved in many other fields of the partner such as coffee processing machines, wood processing machines,.....



## Some typical products

- Rice milling line from paddy to brown rice
- Rice processing line from brown rice to polished rice
- Hopper scale and shutter scale systems
- Upgrading/automating some existing machines

- Veneer splicing machine
- Veneer press line with automatic feed
- Automation material rack
- Paddy husker
- Fruit dryer





## COLOR COATED COLD ROLLED CORRUGATED ROOFING SHEET PRODUCTION LINE

We are proud to cooperate with TOVICO from the early days. Both technical teams coordinated to research, manufacture and install the galvanized sheet production line, then the color coated cold rolled corrugated roofing sheet line. Currently, we continue to support our partners to install, improve and upgrade equipment and technology to help perfect the production line.



## IMPROVING SAFETY FOR FIBER PRODUCTION LINES



Ben Thanh engineers have integrated safety devices into the existing production line of Vietnam TNT Fibers (VTF) in An Phu, Binh Duong.

The solution has helped prevent workers from reaching deep into dangerous areas while the machine is operating, while minimizing cases of workers arbitrarily ignoring safety procedures while working, thereby limiting work accidents and improving the safety level of current production line.

The solution also contributes to improving productivity by reducing situations where the machine must suddenly stop to handle incidents during the production shift.



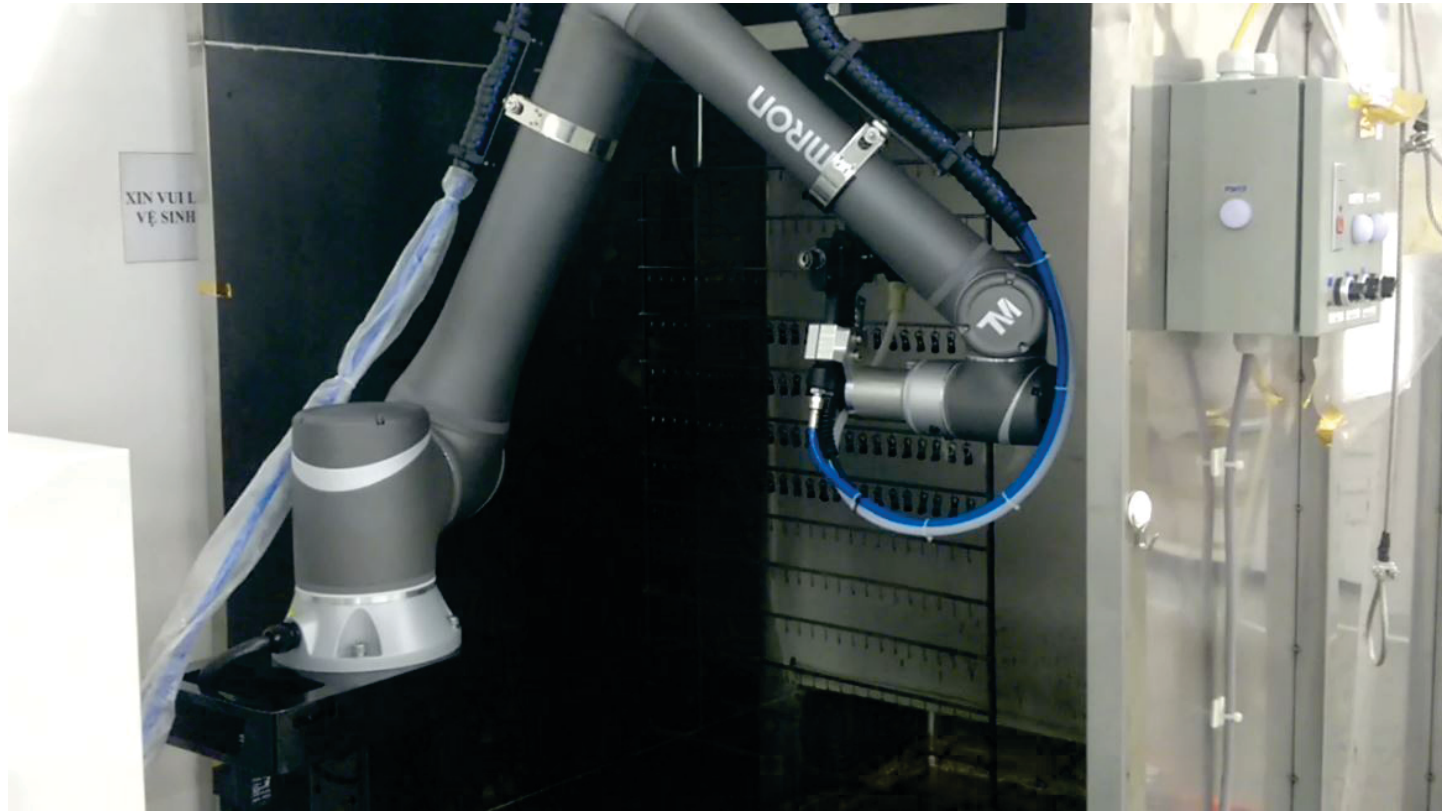


## FISHERIES PROCESSING FACTORY PROJECTS

Research, deploy and supply automation equipments, Robots; programming PLC, HMI and SCADA for seafood processing lines, refrigeration compressor control system, IQF, BQF... for the chain of fisheries processing factories in Hau Giang province.







## AUTOMATIC PAINTING ROBOT

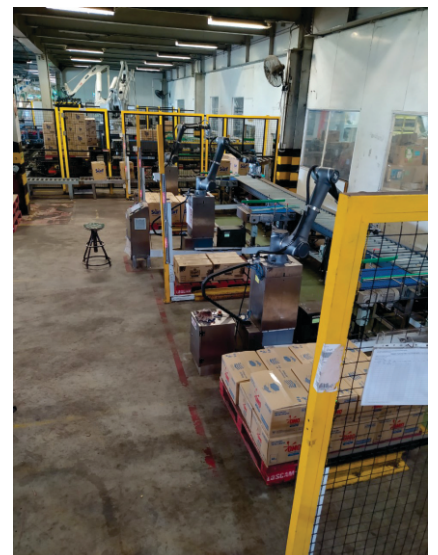
The automatic painting robot system of YKK factory possesses outstanding advantages such as:

- Fast painting speed, continuous painting because the painting robots move up and down easily and quickly. Each robot can install many painting tools.
- Spray paint more evenly than using conventional paint workers.
- Cost saving: no need to hire too many employees.
- Save time optimally and increase work productivity.
- Avoid loss of materials in the process of spraying paint.
- Ensure the product has high quality, smooth surface, even color and beautiful.

## PALLETIZING ROBOT

Unilever factory has chosen the palletizing robots to replace 12 workers because of the following advantages:

- Compatible with all current guide boxes conveyor systems
- Built-in robot: OMRON Cobot TM12 or any 4 - 6 axes robot
- Max. box throughput: Up to 12 cycles/min/robot
- Max. payload with EOAT: 9 (kg) (EOAT: End Of Arm Tool)
- Max. pallet dimensions (LxWxH): 1200 x 1200 x 1500 mm (including boxes)
- Communication: HMI - Modbus TCP - Ethernet IP
- Power: 1phase(220V/50Hz), 3phase(380V/50Hz)
- Remote device control and productivity checking by phone APP or Internet → suitable for IoT applications and factory digitization ...

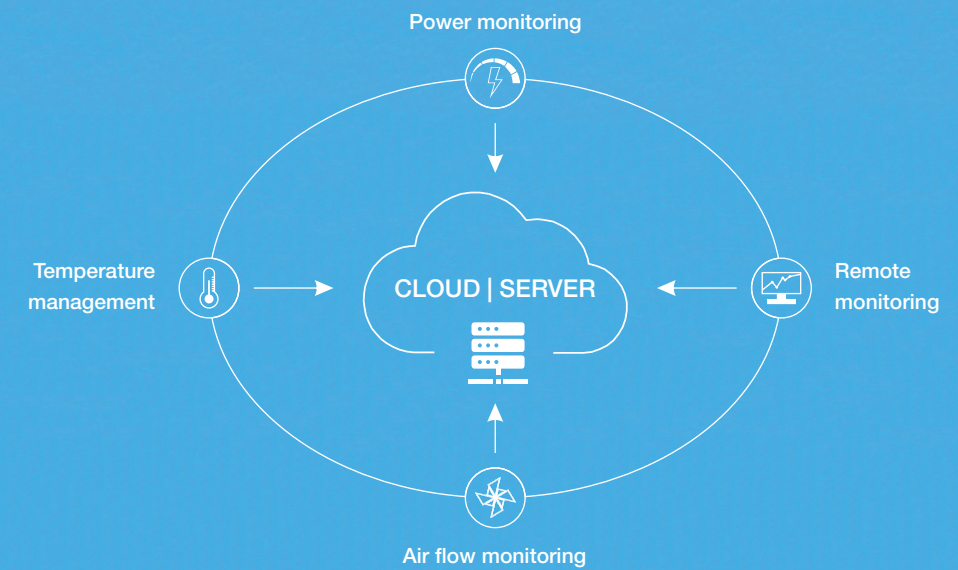




## DIGITIZING BUI VAN NGO

## MECHANICAL FACTORY

We provide solutions and equipment that fit partner's needs to help digitize their factories. The integrated management system can monitor and collect data on each machine unit in each workshop such as: machine parameters, power consumption, temperature, air flow, ... The collected parameters will be sent to the central control room to be updated to Cloud, Server and synchronized with the enterprise's ERP system.





# GRID - TIED SOLAR SYSTEMS



Our customers have trusted to choose Panasonic Monocrystalline solar panel for the project 120+ KWp on their factory in Hai Son Industrial Area, Duc Hoa district, Long An province.



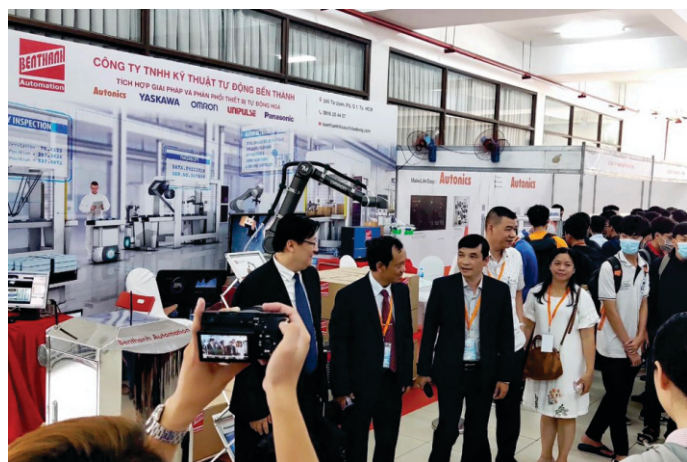


Opening Ceremony of OMRON ATC



Opening Ceremony of Automation Day

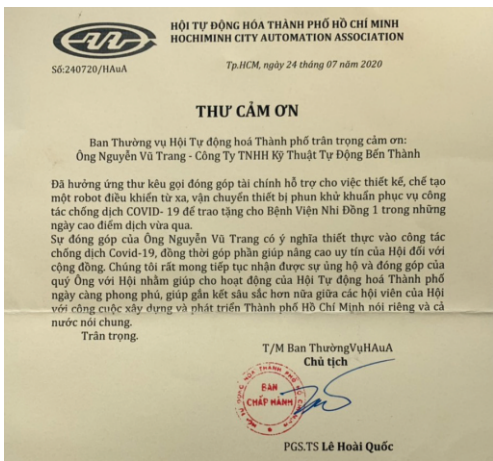
Technology demonstration



Introducing products and solutions at technology events



Sponsoring community activities to prevent the COVID-19 pandemic



Training



Team building





# BENTHANH AUTOMATION

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**The Trusted Partner of Manufactures!**

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