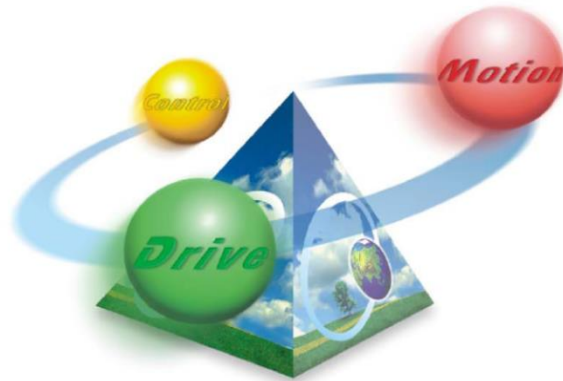


Profile

Etec[®]





MESSAGE TO VALUED CUSTOMERS



Dear our Valued Customers and Partners,

We are pleased to introduce to our company profile - ETEC Automation Technology Co., Ltd. Established in year 2000 , with business ability in the field of industrial automation and electrical contractor and as authorized distributors of Industrial Automation equipment in Vietnam market. The leading Manufacturers in the world such as **DELTA** , **WAGO**, **SESAME**, **LUYANG**, **EMAS**, **GRAESLIN**, **TBI**,...

With experienced and skillful engineer team, who have been trained in the field of Industry Automation and Electricity and have had a lot of practical experiences and creative and slogan: "High quality for our products and services, effective technical solutions with the lowest cost, quick after-sales service, on time and fast delivery service". ETEC always desires to provide industrial automation devices, system integration and high quality constructions with competitive prices, saving energy and saving costs for manufacture enterprises. In the field of Industrial Automation, ETEC has accumulated a lot of experiences and achieved successfulness through most of the projects in the fields as: Mechanical Engineering - manufacture of machinery, industrial cement, plastics, fertilizers, sugar, packaging, food, automation in building management, ceramic tiles, weaving, dyeing, sewage treatment, lifts, hydraulic products... that ETEC done and also won the trust of customers in the past years.

With the above information, we believe the valued enterprises will have more effective choices in the field of Industry automation to meet your urgent requirements to improve your competitive ability in the business operation.

All of us always hope to become the leading pioneer in customer service and to give our customers the better services. We look forward to serving you,

Sincerely Yours,

I. ABOUT US

- About Etec
- Location
- Organizational Chart
- Certificates and Awards
- Solution Center

II. BUSSINESS

Authorized Distributors and Partners of

- **DELTA ELECTRONICS INC** _ Industrial Automation equipment
- **DELTA POWER SUPPLY BU** _Power Supply equipment
- **DELTA TELECOM & POWER BU** _ Solar, controllers, charger,...
- **WAGO INNOVATION** _ Automation & Terminal Block, Connectors.
- **EUNTAY ELECTRIC** _DC Motor Drive, Tension Control System, Load cell,...
- **SESAME MOTOR**_ Gearhead & Motors
- **LUYANG_ Electrical** Motor,...
- **GRAESSLIN** _ Light Control, Meters and Plug-in Time Switches,...
- **ENVIDATEC** – Energy Management System ISO 50001
- **TBI MOTION – Linear Guide, Ball Screw,...**

Technical services and system integration solutions Consulting:

- Industrial Automation Technical Services
- Smart Manufacturing Solutions – FA , Machine Makers, Building Automation
- Smart City Solutions

III. REFERENCE PROJECTS

Founded in 2000, ETEC Automation Technology Co., Ltd.

Mission :

- To distribute Industrial Automation equipment
- To consult and cooperate with expertise Partners to deliver the IA system integration solutions in Smart Manufacturing Solutions and Smart City.
- To consult and transfer the project of Energy Efficiency Management System (EMs) providers for Energy Audit Service in Manufacturing industry.

Vision:

- To be the 5th of I.A Authorized distributor and system integrator provider in I. A and EMs fields in Vietnam market.

History Milestones with Partners :

- Since 2004, as authorized distributor of **DELTA ELECTRONICS INC.**
- Since 2006, as one of the representative agents (Project Agent) for Commercial Energy Efficiency Program- **CEEP** of Ministry of Industry & Trade.
- Since 2009, of **WAGO - GERMANY**
- Since 2010, of **EUNTAY – TAIWAN**
- Since 2012, of **SESAME- TAIWAN**
- Since 2014, as Local Partner of **ENVIDATEC** (Germany) - EMs
- Since 2017, of **LUYANG- TAWAIN& EMAS-TURKEY**
- Since 2020 , **TBI MOTION- TAIWAN**



ABOUT ETEC



ETEC Automation Technology Company, Ltd.

Head Quarter in HCM:

Add : 173 Nguyen Suy Str., Tan Quy Ward, Tan Phu Dist., HCMC
Phone : +84 28 6252 9141 - 49 (9 lines)
Fax : +84 28 6252 9140
E-mail : etec@etecvn.com

Branch office in Hanoi

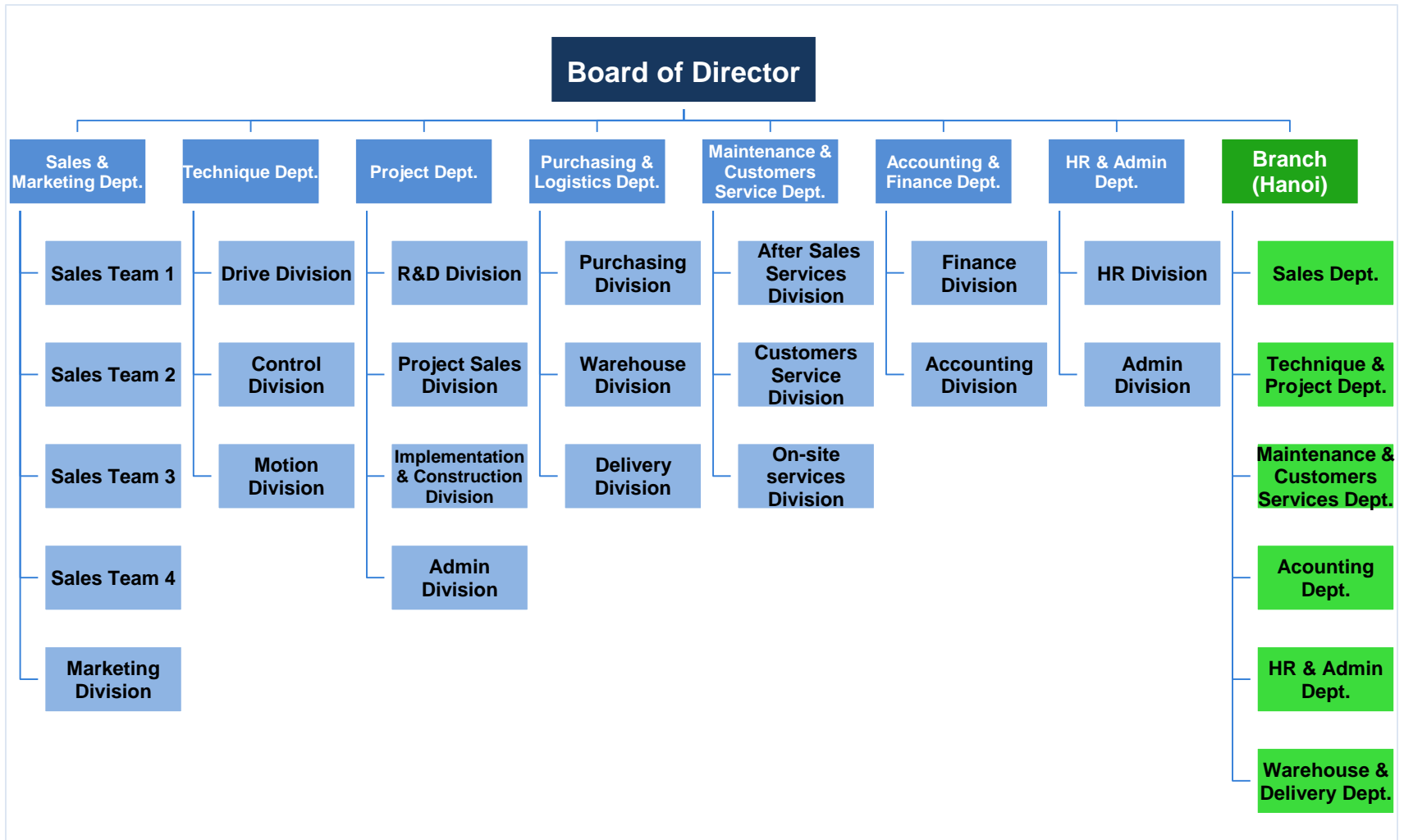
Add : O 35 - Villa1, Phap Van –Tu Hiep New Urban Area,
Hoang Liet Ward, Hoang Mai Dist., Hanoi
Phone : +84 24 2211 4747
Email : etec.hn@etecvn.com

Website: <http://www.etecvn.com>

Hotline : +84 90 394 9582



Organizational Chart

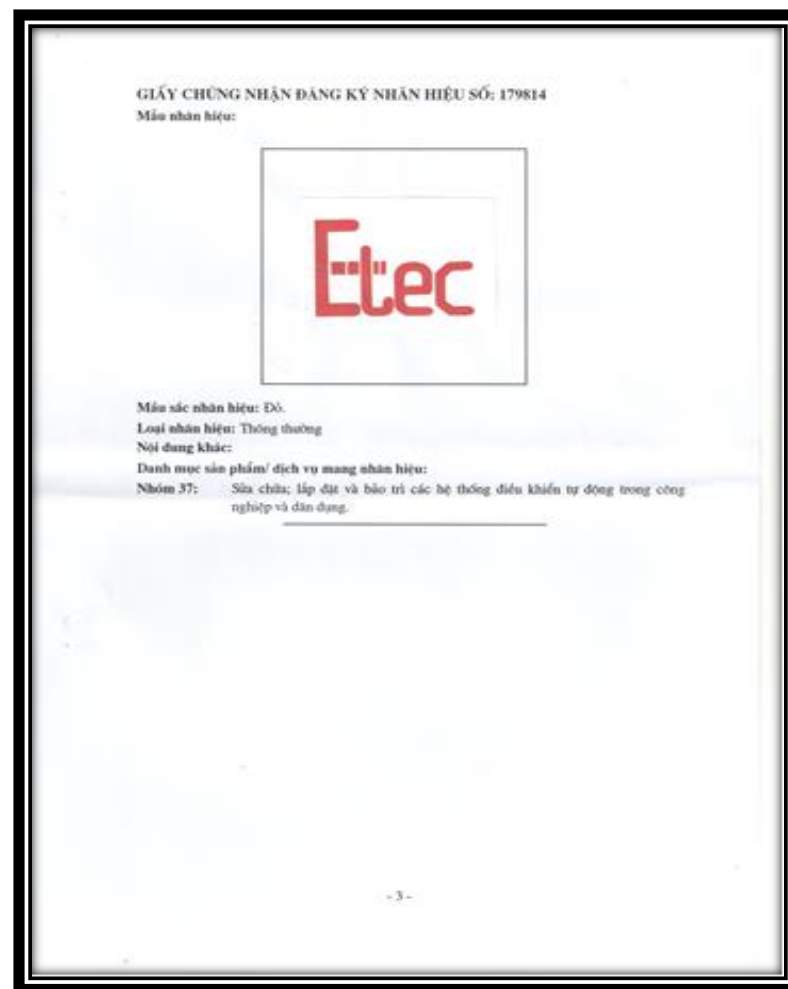
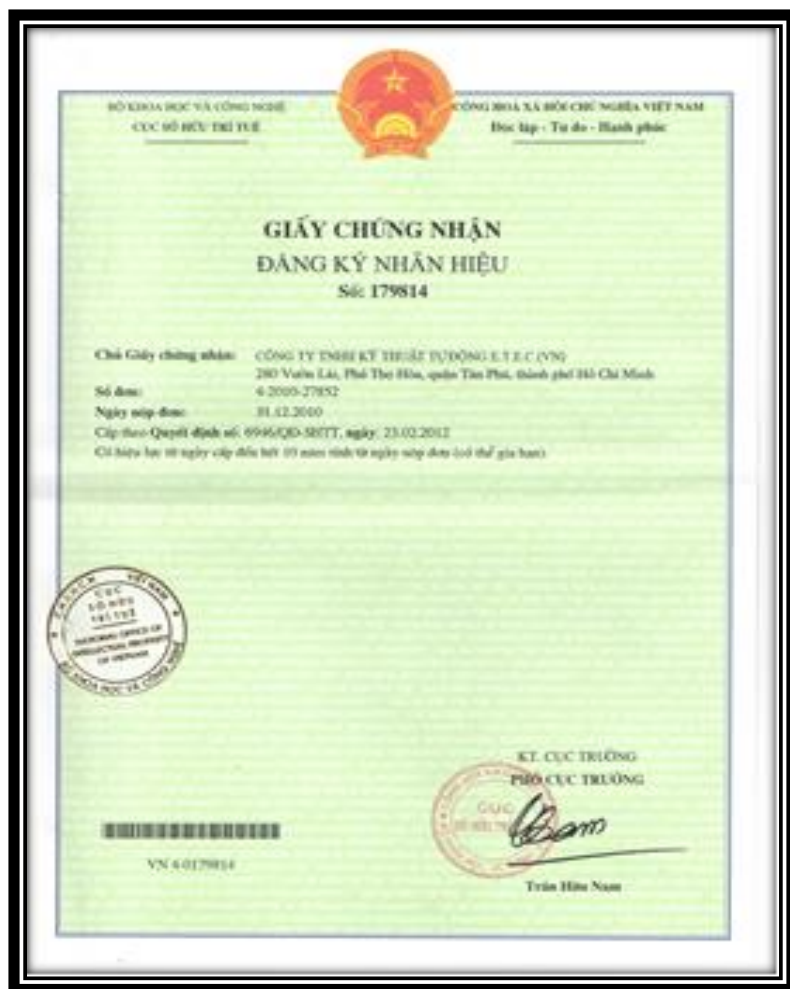




ABOUT ETEC



CERTIFICATES & AWARDS





ABOUT ETEC



Authorized Distributor Certificate



Authorized Distributor Certificate





ABOUT ETEC



Authorized Distributors Certificates of

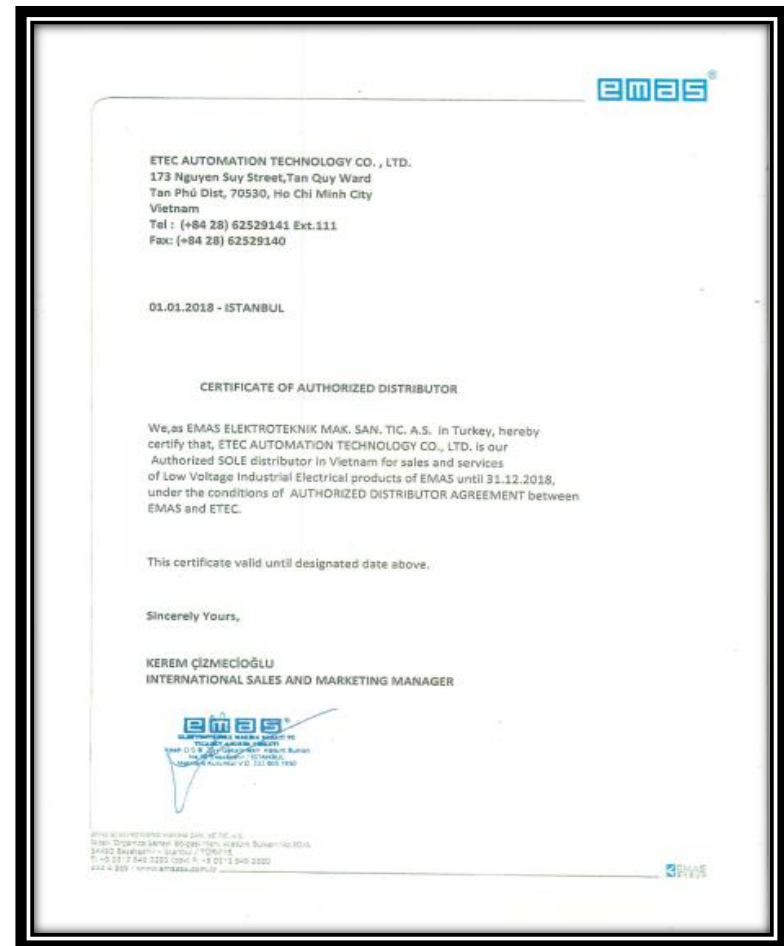
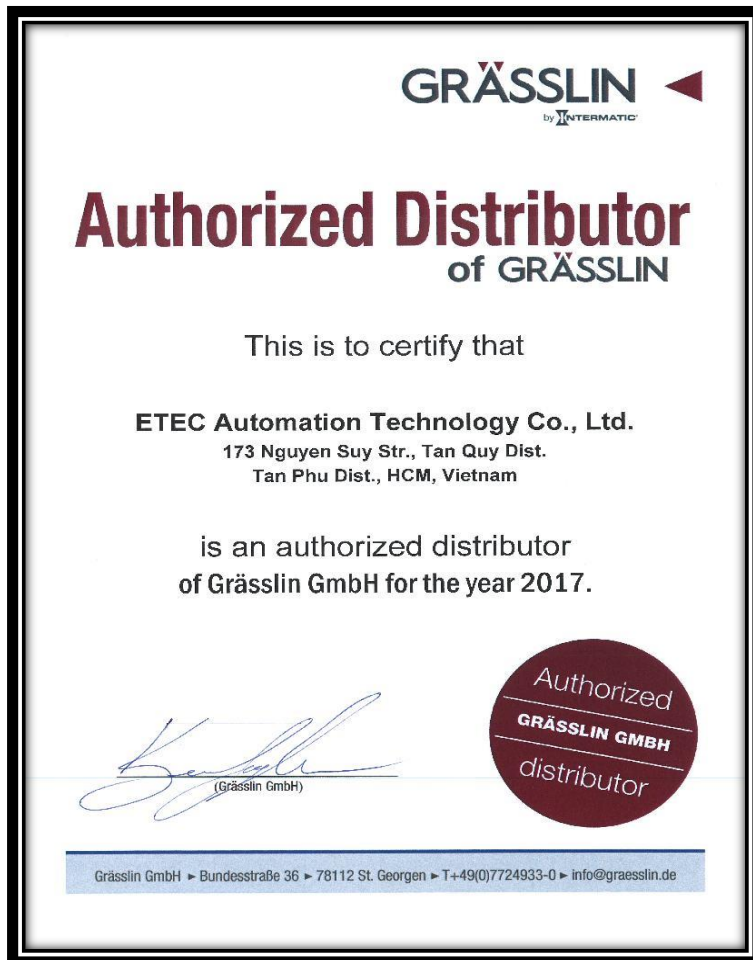




ABOUT ETEC



Authorized Distributors Certificates

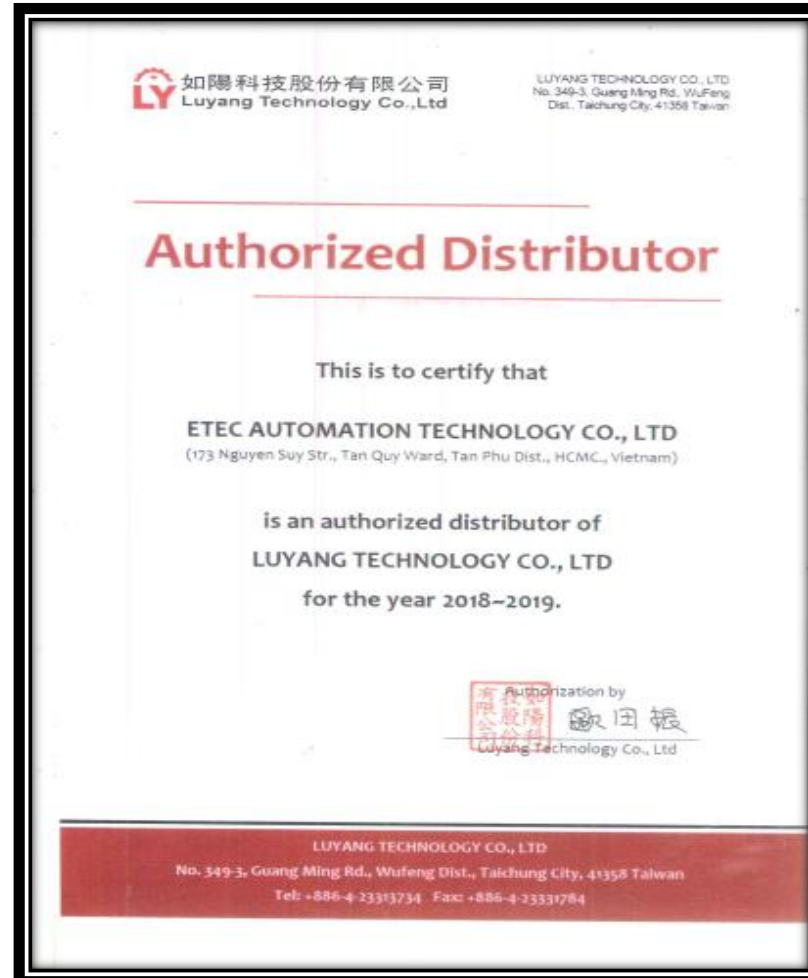




ABOUT ETEC



Authorized Distributor Certificate





ABOUT ETEC



Trusted Quality Supplier certificate



Certification of Registration

This is to certify that



E.T.E.C

Automation Technology Company Limited

Main Activities: Distribution of industrial automation equipment and provision of the relevant technical services. Provision of survey, consulting, designing, installation, maintenance and technical services and energy saving solutions of manufacturing factory.

has been assessed and registered by VietnamEnterprises network & meets the criteria of international competitiveness as credit rating system of TQS "Trusted Quality Supplier - Nhà cung cấp Chất lượng 2014"



William H. Brown, Ph.D.
Asian Strategic Advisor
Global GTA - United Kingdom



Certification No. 8877QS/2014, Date: January 02, 2014 - Valid until: January 02, 2015

This certificate has been accredited by Global GTA, please refer to <http://www.globalgta.com/enterprises/880171101>

GLOBAL QUALITY

CERTIFICATION



This is to certify that



E.T.E.C

AUTOMATION TECHNOLOGY CO., LTD.

Main Activity: To distribute industrial automation and Energy Saving devices and technical services for Factory and Building

has been assessed and registered by VietnamEnterprises network & meets the criteria of international competitiveness as credit rating system of TQS "GOLD Trusted Quality Supplier 2017"

Certification No. 9187QS/2017, Date: May 12, 2017 - Valid until: May 12, 2018

This certificate has been accredited by Global GTA, please refer to <http://www.globalgta.com/enterprises/030217101>

William H. Brown, Ph.D.
Asian Strategic Advisor
Global GTA



La Phuong Kiem, Ph.D.
Asian Strategic Advisor
Global GTA



GLOBAL QUALITY

CERTIFICATION



This is to certify that



Etec

Automation Technology Company Limited

Main Activity: The Industrial Automation and Energy Saving for Factory and Building

has been assessed and registered by VietnamEnterprises network & meets the criteria of international competitiveness as credit rating system of TQS "PLATINUM Trusted Quality Supplier 2018"

Certification No. 8577QS/2018, Date: June 19, 2018 - Valid until: August 19, 2019

This certificate has been accredited by Global GTA, please refer to <http://www.globalgta.com/enterprises/030217101>

William H. Brown, Ph.D.
Asian Strategic Advisor
Global GTA - United Kingdom



La Phuong Kiem, Ph.D.
Asian Strategic Advisor
Global GTA





ABOUT ETEC



2018 Typical HCM City Enterprise & Entrepreneur Award



Local Business Award 2015 by VCCI



Top 50 Gold Industrial Automation solutions & Service Supplier Certificate



Vietnam Automation Association Certificate

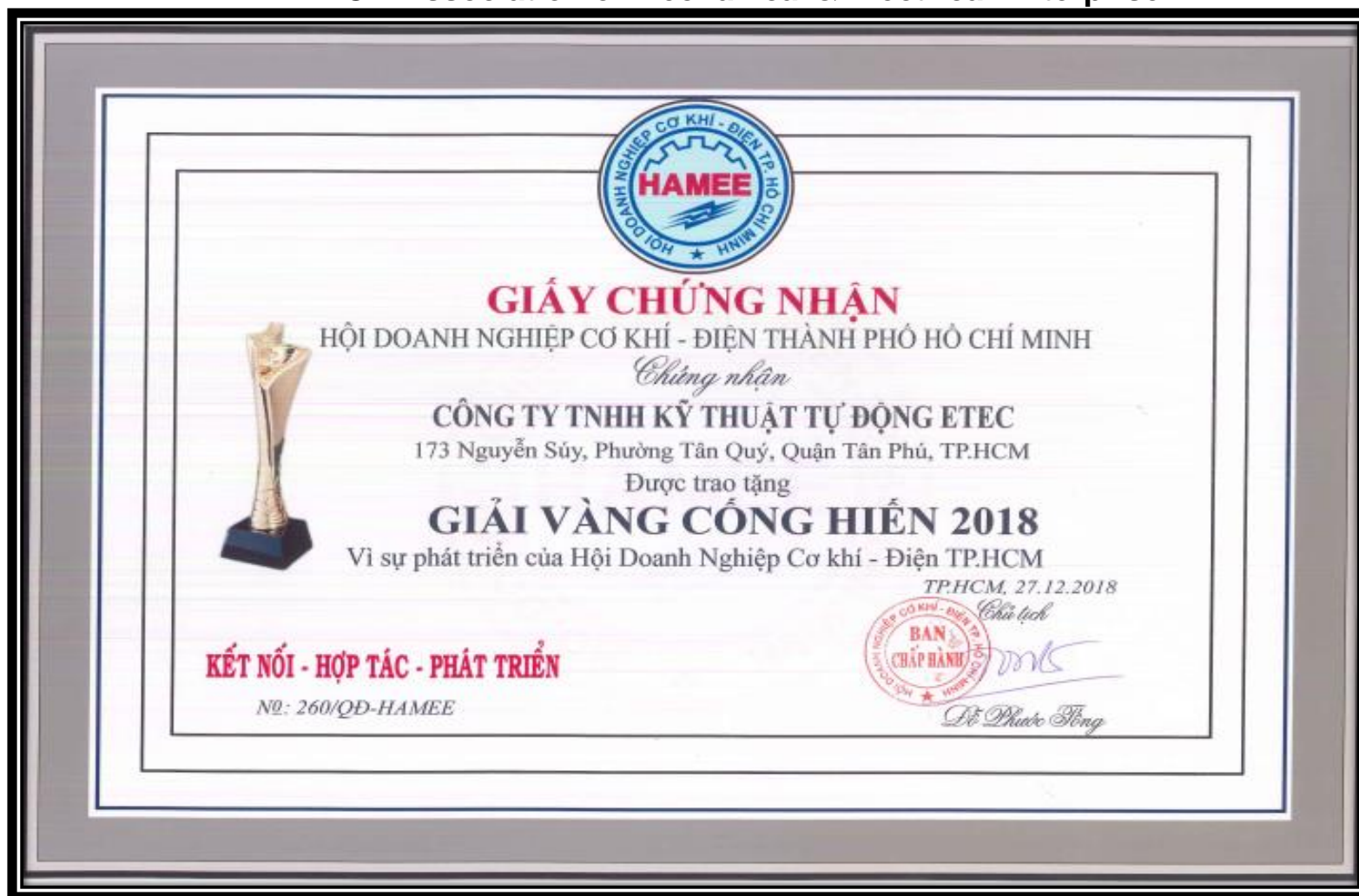


HCMC Science and Automation Technology member certificate



Gold Contribution Certificate of

HCM Association of Mechanical & Electrical Enterprise - HAMEE





ABOUT ETEC



Energy and energy saving products fair with optimized products and technology



2017- 2018 HCM City Enterprise Association Award





ABOUT ETEC



Gold sponsor Certificate for Tan Phu Futsal Cup 2019





ABOUT ETEC



Solution Center



Customer Services Network



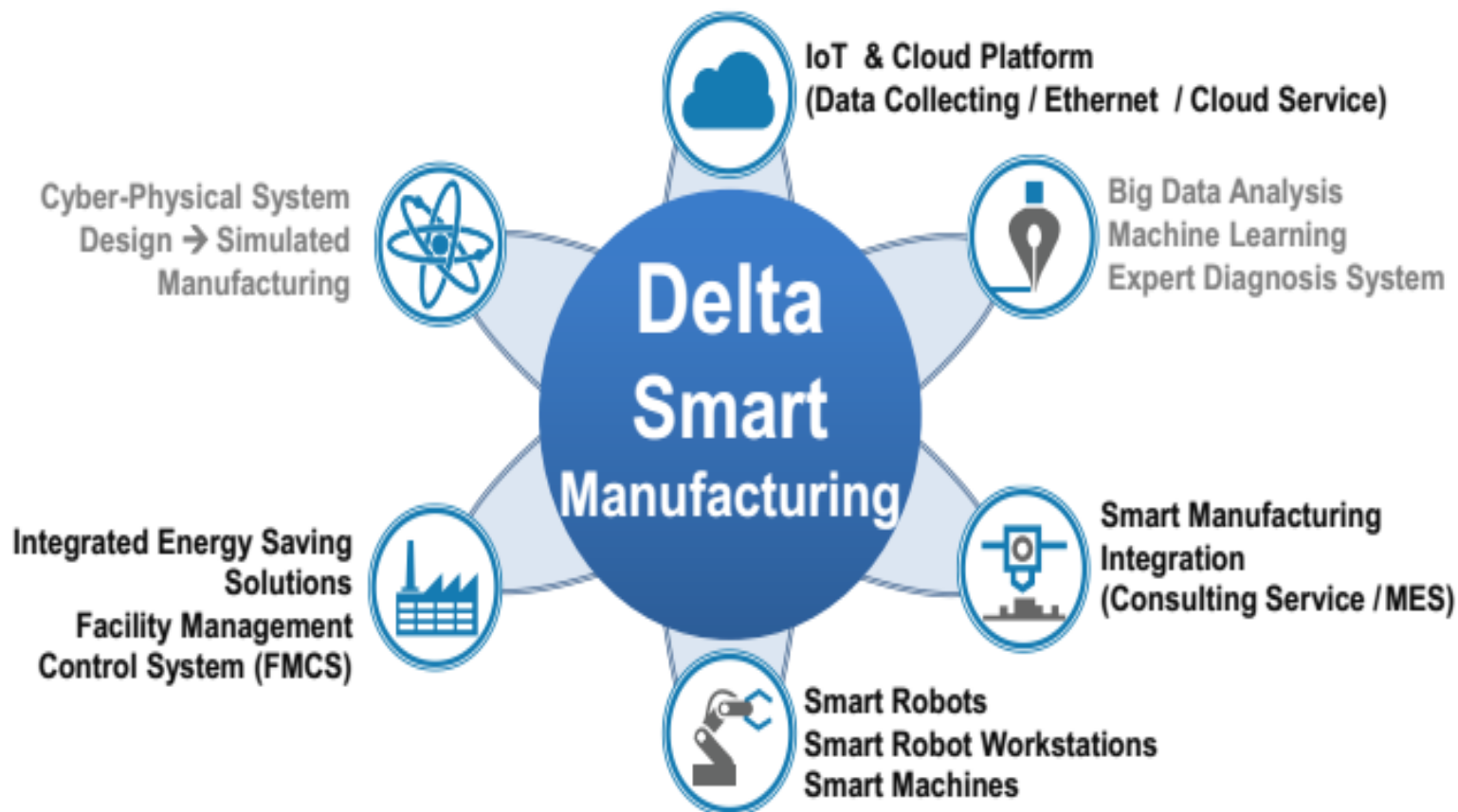
Sales: 0913 949 582

Technique: 0916 949 582

Customer care : 0917 949 582



The New Era of Delta Smart Manufacturing



Delta IA Product Portfolio

Info



SCADA / IEMS
Cloud

NEW

Control



Programmable
Logic
Controllers



Programmable
Automation
Controllers



Industrial PCs



Human
Machine
Interfaces



Industrial
Network
Solutions



IoT Industrial
Cloud Routers



Industrial
Fieldbus
Solutions

NEW

NEW

Robot



SCARA Robot

NEW



Articulated Robot

NEW

Field Device



Smart
Sensors

NEW



Power
Meters

NEW



Machine
Vision
Systems



Rotary
Optical
Encoders



Pressure
Sensors



Gas Flow
Switch

NEW



Temperature
Controllers



Industrial
Power Supplies

Motion



Servo Systems
(AC Servo Motors & Drives)



Planetary
Gearboxes



Linear Stage
Direct Drives



Motion Control
Cards



CNC
Controllers

NEW

NEW

Drive



AC Motor Drives
(Inverters)

Power Regeneration



Active Front End



Power Regenerative
Unit



Robot Controller
with Servo Drive
Integrated

NEW

AC MOTOR DRIVES (INVERTERS)



C2000
Vector Control Drive **New**
C2000 Plus



CH2000
Heavy Duty Field Oriented
Control Drive



CP2000
Intelligent Sensorless
Vector Control Drive



High Performance
Standard Compact Drive **New**

ME/MS/MS



Textile Vector Control Drive
CT2000



IP55 Fan/Pump Drive **New**
CFP2000



VFD-E/EL
Modular Design/
Intelligent Multifunction
Micro Drive



REG2000
Power
Regenerative Unit



Compact Elevator Drive **New**
MH300-L
New Compact Design with Open Loop Control



HES
Hybrid Energy
Saving System



POWER QUALITY IMPROVEMENT



AFE2000
Active Front End



SVG2000
Static Var Generator



AFE2000
Active Power Filter

PROGRAMMABLE LOGIC CONTROLLERS-PLC



AH500
High Performance
Mid-range PLC



DVP-EH3
High Performance 2nd Generation Standard PLC /
PLC



reddot design award
winner 2010



DVP-ES2/EX2
High Performance 2nd Generation Standard PLC /
Analog I/O PLC



DVP-SV2
High Performance
Slim PLC



DVP-SA2
2nd Generation
Advanced Slim PLC



DVP-SS2
2nd Generation
Standard Slim PLC



DVP-SX2
2nd Generation
Analog I/O Slim PLC



DVP-MC
Network Type
Motion Controller



Multi-axis Motion Controller
DVP-10MC/15MC/50MC New



Standard Motion Controller
DVP10PM00M



Advanced Motion Controller
DVP20PM00M/D/DT

General Motion Controller
DVP-PM

Human Machine Interface_HMI



HMI – DOP-B



Handheld Human Machine Interface
DOP-H



7-inch Advanced HMI
DOP-107WV



10-inch Advanced HMI
DOP-110WS



12-inch Advanced HMI
DOP-112WX

Human Machine Interface –DOP-100



10-inch WinCE HMI



12-inch WinCE HMI



15-inch WinCE HMI

WinCE Human Machine Interface –DOP-W (10-12-15 inch)

Touch / Text Panel Human Machine/interface-TP



TP08G-BT2
Multi-function 8 Line Text Panel



TP04G-BL-C
Standard Numeric Entry
4 Line Text Panel



TP04P series
Standard Numeric Entry
4 Line Text Panel
Built-in DIO/AIO all-in-one
Series



TP04G-AL-C / TP04G-AL2
Standard 4 Line Text Panel



TP02G-AS1 / TP04G-AS2
Basic 2 Line / 4 Line Text Panel



**7-Inch Touch Panel HMI
with Built-in PLC
TP70P**

Text
Panel



ASDA-M
750W~2kW
3-Axis Synchronous
Servo System



ASDA-A2R
100W~3kW
Linear Motion Drive



PCI-DMC
6-axis/12-axis
Motion Control Card



ECML
100W~750W
Ironless Linear Motor



ASDA-A2
100W~15kW
Advanced Servo Drive



ASDA-B2
100W~3kW
Standard Servo Drive



ECMA
100W~15kW / Incremental
100W~7.5kW / Absolute

Process Controllers



DPA
Multifunction Miniature
Pressure Sensor



DT3
High Speed Intelligent
Temperature Controller



DTA
Standard
Temperature Controller



DTB
Advanced
Temperature Controller



DTC
Modular & Extendable
Temperature Controller



DTD
Economical
Temperature Controller



DTE
Multi-Channel Modular
Temperature Controller



DTV
Valve Control
Temperature Controller



CTA
Timer / Counter / Tachometer

Machine Vision Systems



DMV
Machine Vision
System

New



CCD



LED Power Dimmer



Joystick



Backlight



Lens



Coaxial Light



Ring Light

Confidential

Rotary Optical Encoders



ES3

Incremental Type
(Solid Shaft, 36.6mm)



EH4

Incremental Type
(Hollow Shaft, 36.6mm)



ES5

Incremental Type
(Solid Shaft, 50mm)



EH3

Incremental Type
(Hollow Shaft, 38.7mm)



MH4

Servo Motor
Commutation Type
(Hollow Shaft, 38.7mm)



EH5

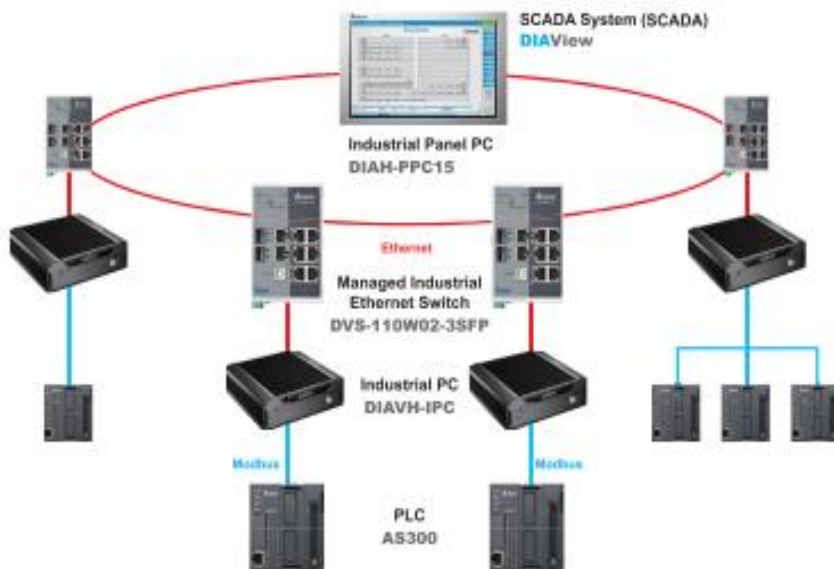
Incremental Type
(Hollow Shaft, 50mm)



CS7

CNC Spindle Type
(Solid Shaft, 68mm)

Industrial Fieldbus Solutions



Facility Management Control System

Equipment Management System

Production Process Control System

Production Quality Management System

Plug-in Program Manufacturing Process

FLUX Spraying

Wave Soldering

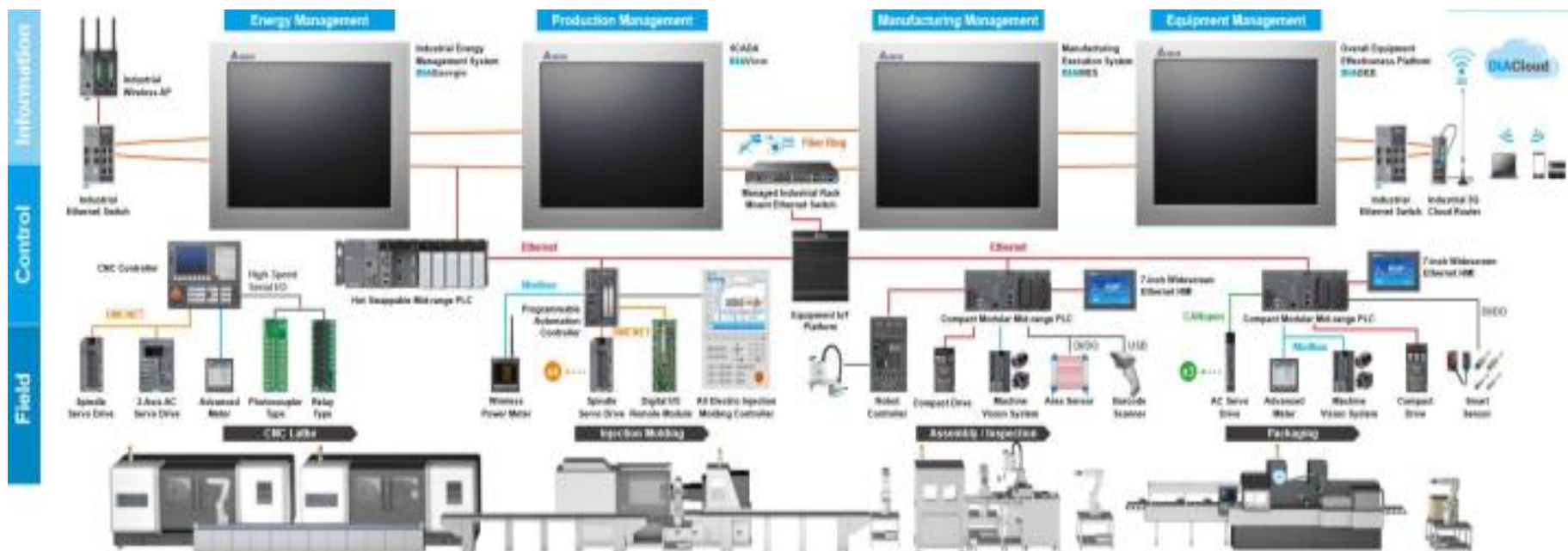
Semi-finished Product Testing

Damp Proof Coating

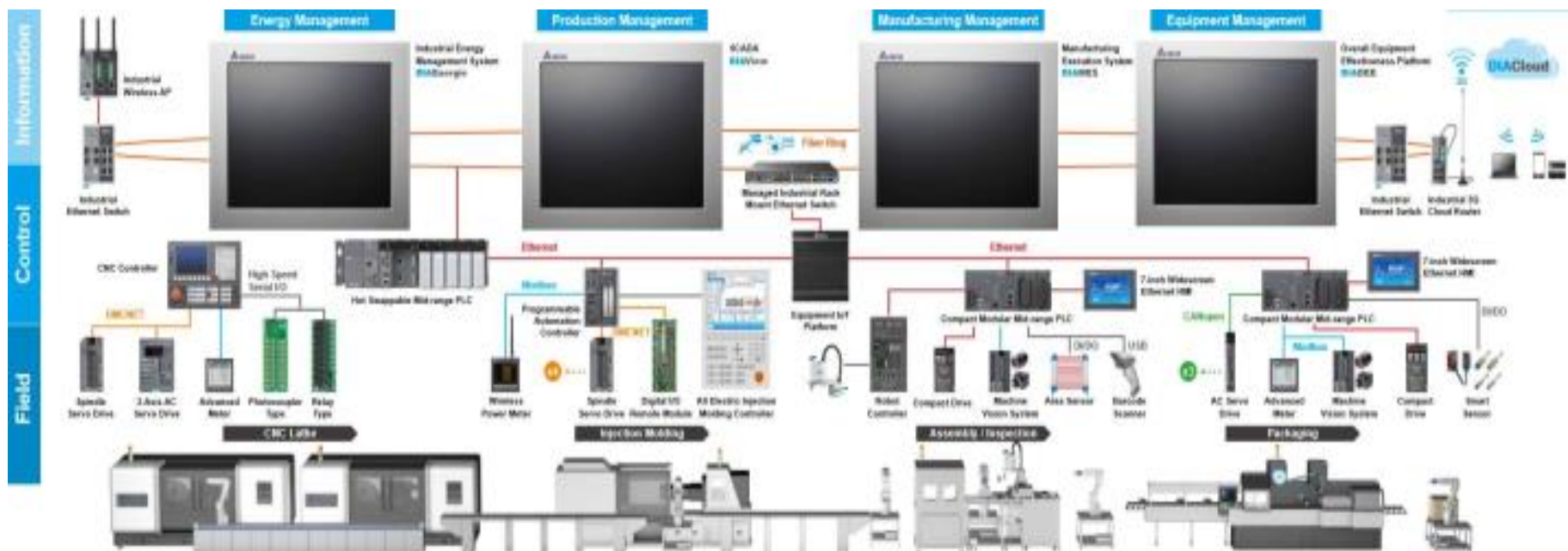
Damp Proof Membrane Furnace



Smart Manufacturing Solutions



Smart Manufacturing Solutions

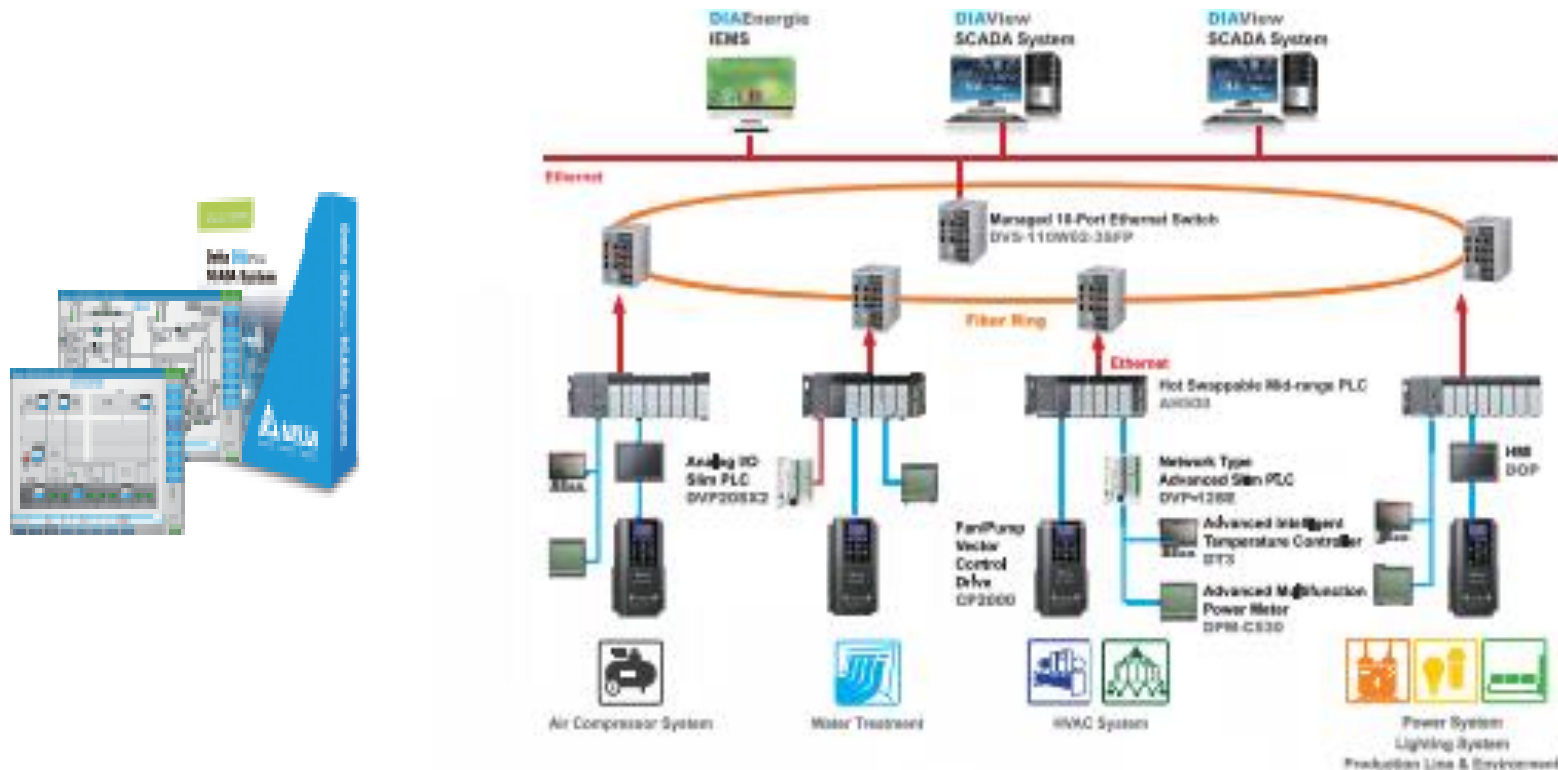


Power Meter-DPM

Product Introduction

Advanced Models		Standard Model	Wireless Model
DPM-C530	DPM-C530E New	DPM-C520	DPM-C520W
			
<ul style="list-style-type: none"> - Front panel: 96mm x 96mm - History log (62 days) - Demand calculation - Period energy accumulation - BACNet MS/TP 	<ul style="list-style-type: none"> - Front panel: 96mm x 96mm - History log (62 days) - Demand calculation - Period energy accumulation - BACNet MS/TP - RJ-45 x 2 - Modbus, EIP 	<ul style="list-style-type: none"> - Front panel: 96mm x 96mm 	<ul style="list-style-type: none"> - Front panel: 96mm x 96mm - Modbus TCP - (Wifi, IEEE801.11 b/g/n)
Compact Model	DIN-rail Model	Basic DI/DO Relay Model	Water Treatment Model
DPM-C310 New	DPM-D520I	DPM-C501L	DPM-C502 New
			
<ul style="list-style-type: none"> - Front panel: 72mm x 72mm 	<ul style="list-style-type: none"> - Current measurement: 63A - Period energy accumulation 	<ul style="list-style-type: none"> - Front panel: 96mm x 96mm - 4DI/2DO 	<ul style="list-style-type: none"> - Front panel: 96mm x 96mm - 4DI/2DO - History log (14 days) - Demand calculation

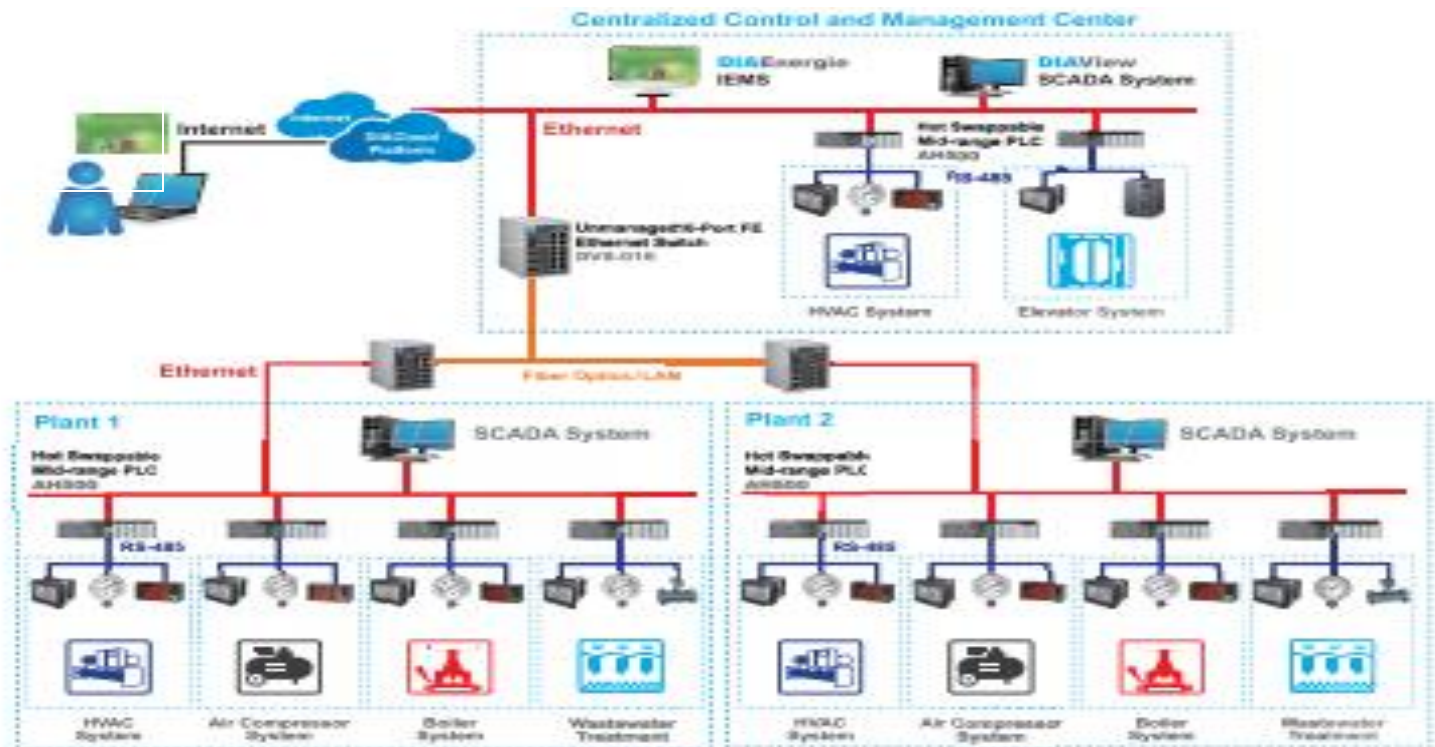
SCADA System DIAView Software



Applications

HVAC, water treatment, central heating, electronics manufacturing

Industrial Energy Management System-DIA Energie



Scara Robot



Laser Displacement LD

- Aluminum case, strong structure
- Slim and small, easy to install
- High precision, sampling time setting available
- IP67 and CE certification



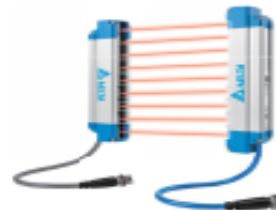
Area Sensor AS-B Standard

- Aluminum case, strong structure
 - No dead zone
 - Effective aperture angle: less than 2.5 degrees
 - IP67 and CE certification
- * Note: TX cable (grey) and CX cable (black)



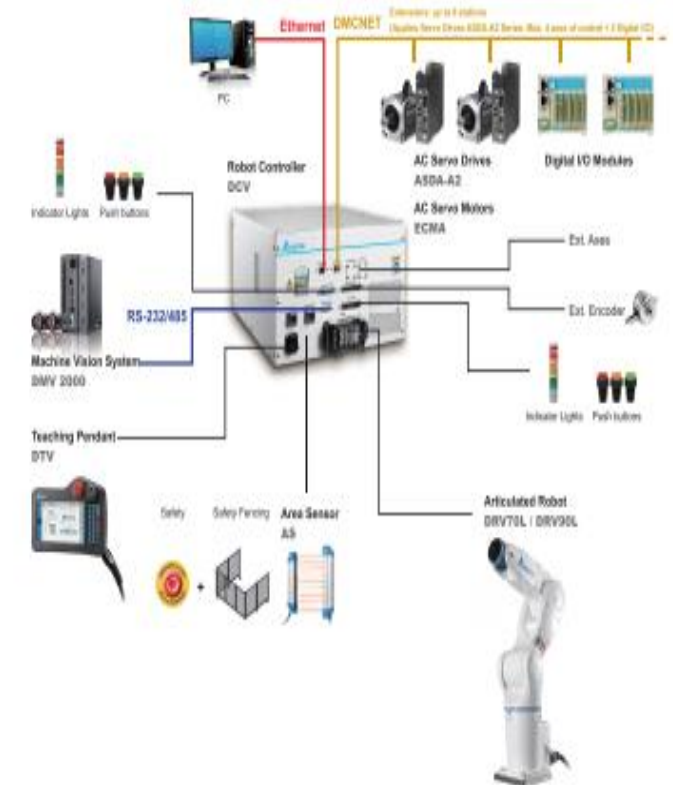
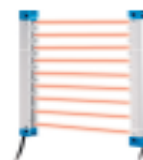
AS-B Communication

- Aluminum case, strong structure
 - Fixed/floating mask
 - Interlock/restart functions
 - Measurement function
 - Auto-upload
- * Note: TX cable (grey) and CX cable (blue)

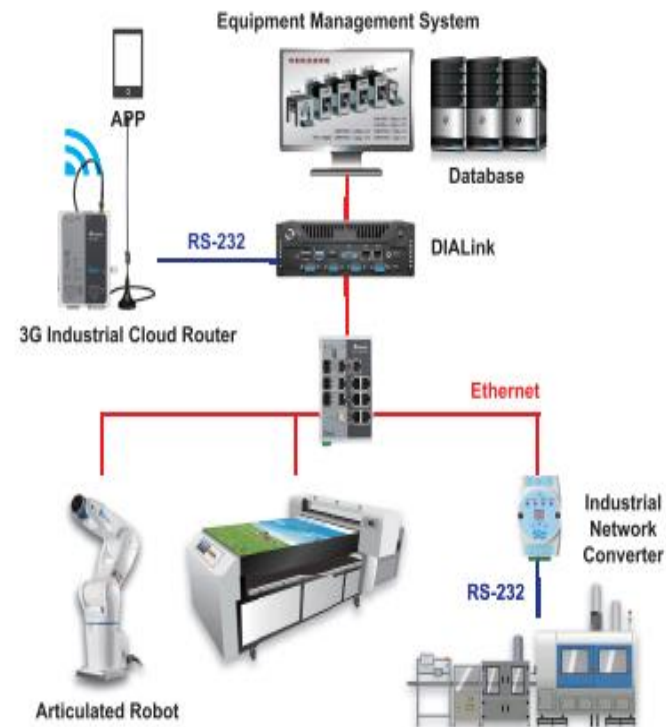


AS-E

- Aluminum case, strong structure
- Compact design: 17 x 15mm
- Sensing distance: 5m



Scara robot



SCARA Robot

DRS40L / DRS50L / DRS60L / DRS60H NEW / DRS70L

High Repeatability, High Precision, Excellent Linearity and Verticality

Industrial Fieldbus Solutions & Ethernet switches

Ethernet



DVPEN01-SL



RTU-EN01



IFD9506



IFD9507

Unmanaged Ethernet Switches

Fiber Optic Series



DVS-016W01-MC01



DVS-008W01-MC01



DVS-005W01-MC01



RJ-45/Twisted-Pair Series



DVS-016W01



DVS-008W01



DVS-005W01



DVS-005I00

CANopen



DVP CPM-SL



DVP CPM-H2



IFD9503



IFD6503

DeviceNet



DVP DNET-SL



DVP DNET-S



DVP DNET-H2



RTU-DNET



IFD9502

Profibus



DVP PF02-SL



DVP PF02-S



DVP PF01-S



RTU-PD01



Modbus Serial



DVP SCM12-SL



RTU-485



IFD8500



IFD8510



IFD8520



IFD6500
IFD6530

BACnet MS/TP



DVP SCM52-SL



BUSSINESS



Delta Industrial Power Supply



DIN RAIL



POWER MOUNT



OPEN FRAME



MODULES

DELTA POWER MANGEMENT DRIVES



**Constant Voltage
& Frequency**

**Variable Voltage
& Frequency**

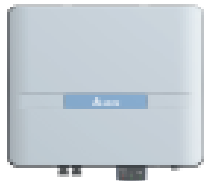
Induction Motor

Energy Savings

Special Control requirements

Soft start for Motors

SOLAR INVERTERS



PV INVERTER
Home Series / H3, H5A



PV INVERTER
Commercial Series / M70A



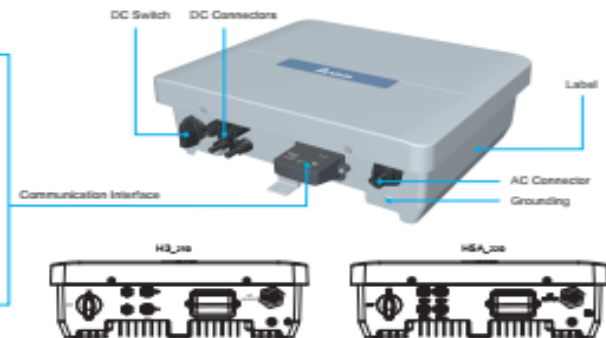
RPI - M20A



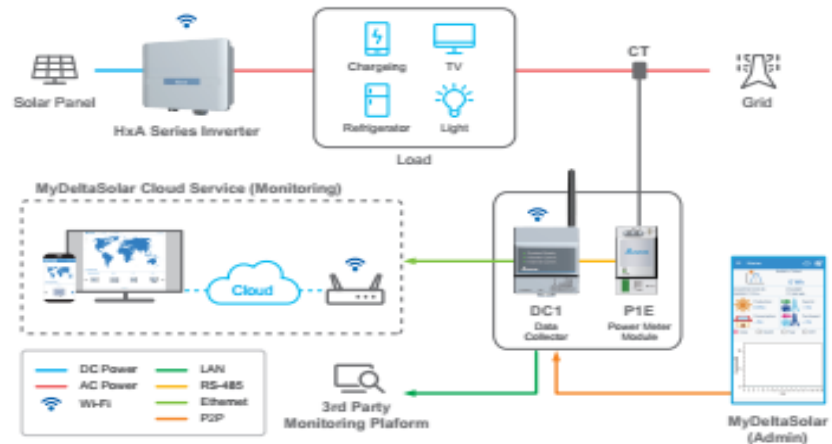
Grid PV Inverter
M50A_12s



Form Factor



System Architecture





BUSSINESS



Authorized
distributor of



COMPACT-
Verbindungs-
dosenklemmen



WAGO-
Dosenklemme



POWER CAGE
CLAMP®



WINSTA®



Verbindungsklemmen



TOPJOB®S-
Reihenklemmen



Steckbare
Elektronikfunktionen



WAGO-I/O-SYSTEM



SPEEDWAY 767



WAGO-JUMPFLEX



TO-PASS®



Typical projects

COSTUMER APPLICATIONS



THE SQAIRE



Solar Power Plant South Africa



egrid Applications



Herrenknecht



Stuttgart airport



ISIMAT GmbH



Arcor



SBB stations



VTA



Förmitztal dam



Wacker Chemie AG



XTronica AS

Typical projects

COSTUMER APLLICATIONS



SAM Electronics



Fritz Driescher KG



Kleemann



Tracklayer Kirow



Mahle Sondermaschinen



Schuster
Energieversorgungssysteme

EUNTAY ELECTRIC

DC Motor Drives, Tension Control System, Load cell,...

Digital DC Motor Drive

DIGITAL DC MOTOR DRIVE

☑ Purpose Introduction ☑ Load Test



Tension Control System

TENSION CONTROL SYSTEM

☑ Principle ☑ Performance Demonstration
☑ Function Classification ☑ Diagram ☑ Selection Guide



Edge Position Control System

EDGE POSITION CONTROL SYSTEM

☑ Performance introduction ☑ Running live show
☑ Assembly figure ☑ Assembly example



TENSION CONTROLLER



LOAD CELL



PID SENSOR



ON-OFF SENSOR



DRIVING CONTROLLER

ON-OFF CONTROLLER



SESAME MOTOR *Gearhead & Motors*

Servo Motor Planetary Gear Reducer



AC Induction Motor, Asynchronous Gear Motor
6~90W

AC Variable Speed Asynchronous Gear Motor,
6~90W



Speed Controller

AC Asynchronous Torque Motor,
Gear Motor

Gear Reducer, Gearbox,
Speed Reducer



伺服馬達專用
For Servo Motor



PBC
Series

行星式減速機

(PBC 60 series)



www.sesamemotor.com



D-U-N-S®
Registered

MOTORS & CONTROLLERS



Speed Control Motor



Motor/ Reducer



Vertical Motor



Horizontal Motor



Horizontal
High Ratio



Vertical
High Ratio



Self-Contained



Type Gear Reducer



Dual-shaft Type Gear Reducer⁰



Motion control - Ball screw / Linear Guide

Ball Spline



SL Series



SO Series



International Standard
TR Series



TM-Miniature Series



TR-Self-Lubricating
Series

Rotary Series



Rotary Series
Ball Screw



Rotary Series Ball
Spline



Rotary Series Ball
Screw/ Spline

Ball Screw



Internal Circulation
Series



External Circulation
Series



End-Caps Circulation
Series

Single Axis Actuator



KP Series



Miniature Series



Finished Shaft End
Series



Ball Screw - Other

GRAESSLIN Smart Energy and Light control System



Công tắc giờ tự động và đồng hồ đo
- Meters and Plug-in time switches



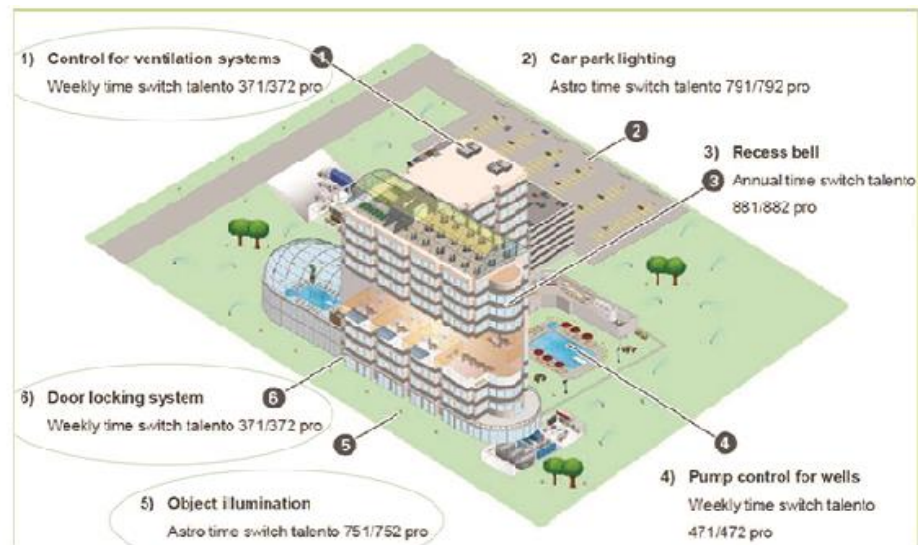
Hệ thống chiếu sáng tự động
- Light Control



• Máy điều hòa nhiệt độ phòng
- Room thermostats



• Công tắc đồng hồ tự động
- Time Switches



ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

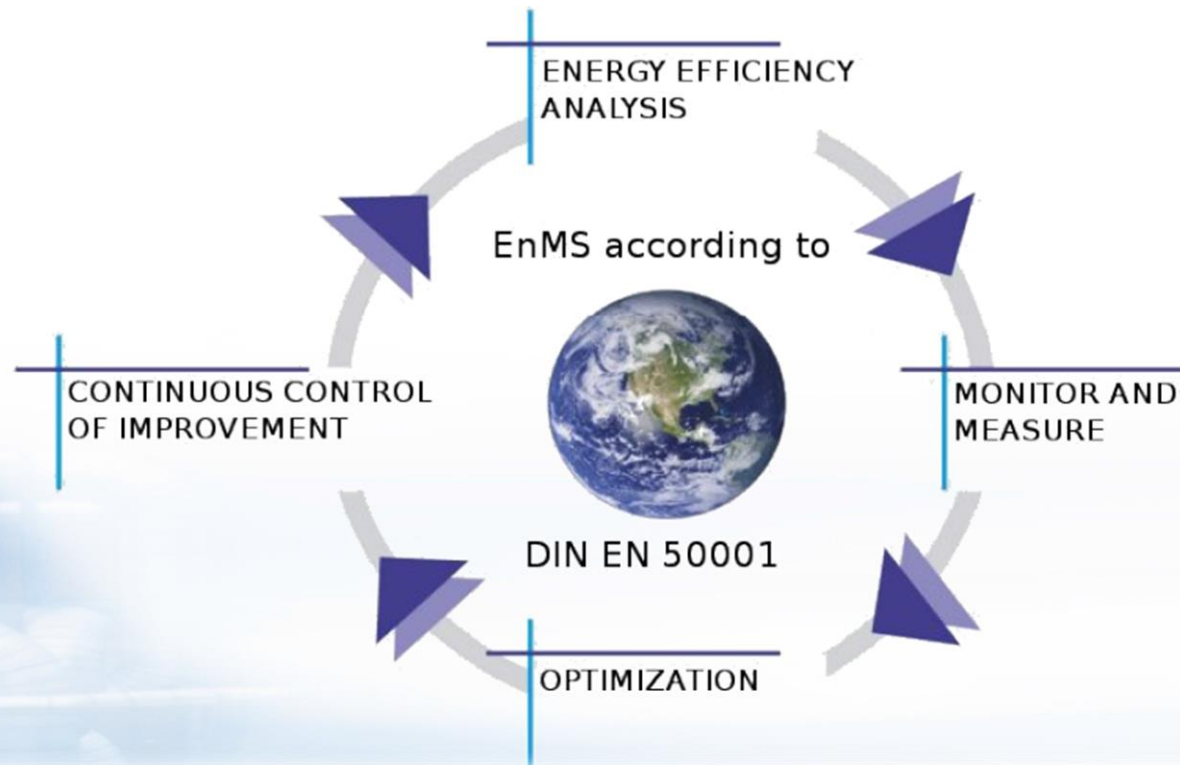
Core Competences of

ENVIDATEC

Energy Management System ISO 50001

ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

**Energy Management System ISO 50001 -
Continuous Improvement Process in Practice**



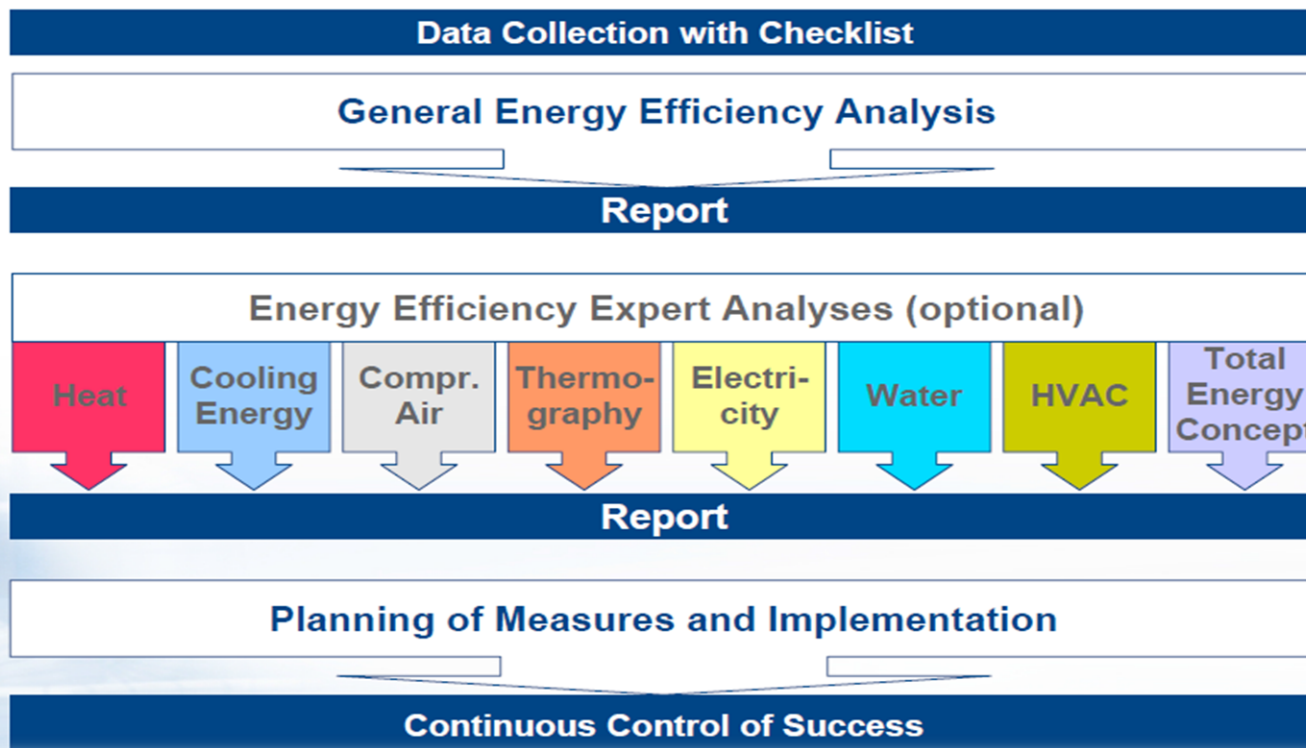
ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

Energy Management System ISO 50001 - Benefit



ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

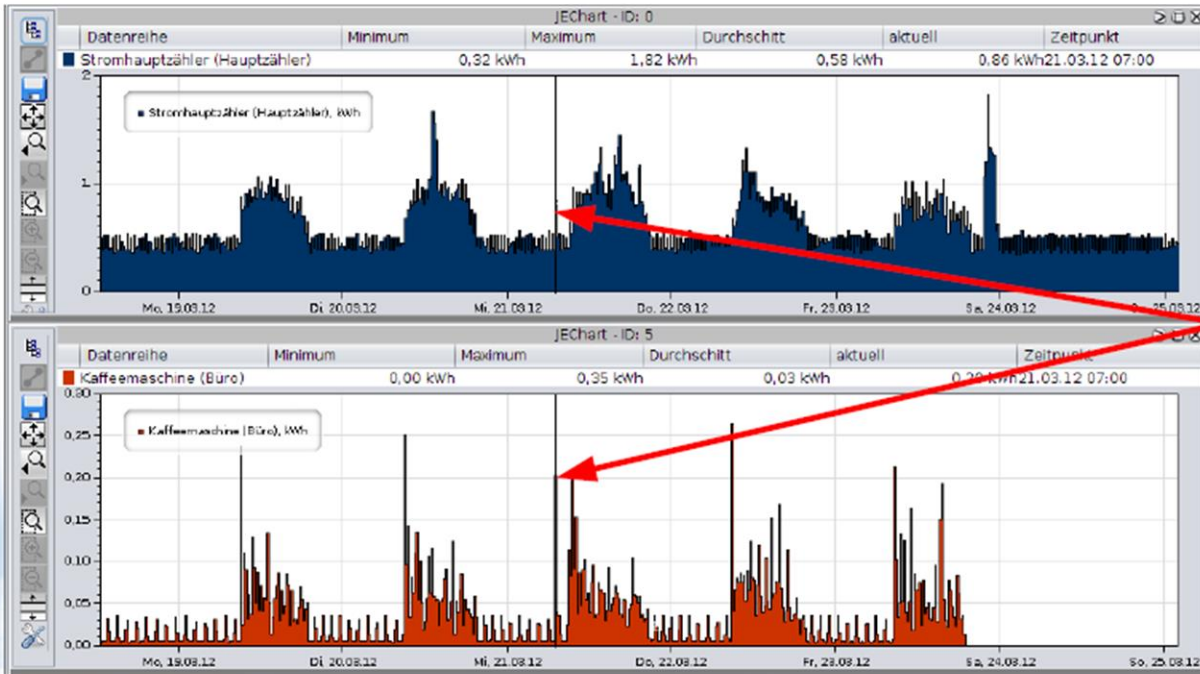
Energy Efficiency Analyses according to DIN EN 16247-1



ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

Measure Example 1: User Behavior for Coffee Machine

Power Consumption in Sum (standard week Mo. - So.)

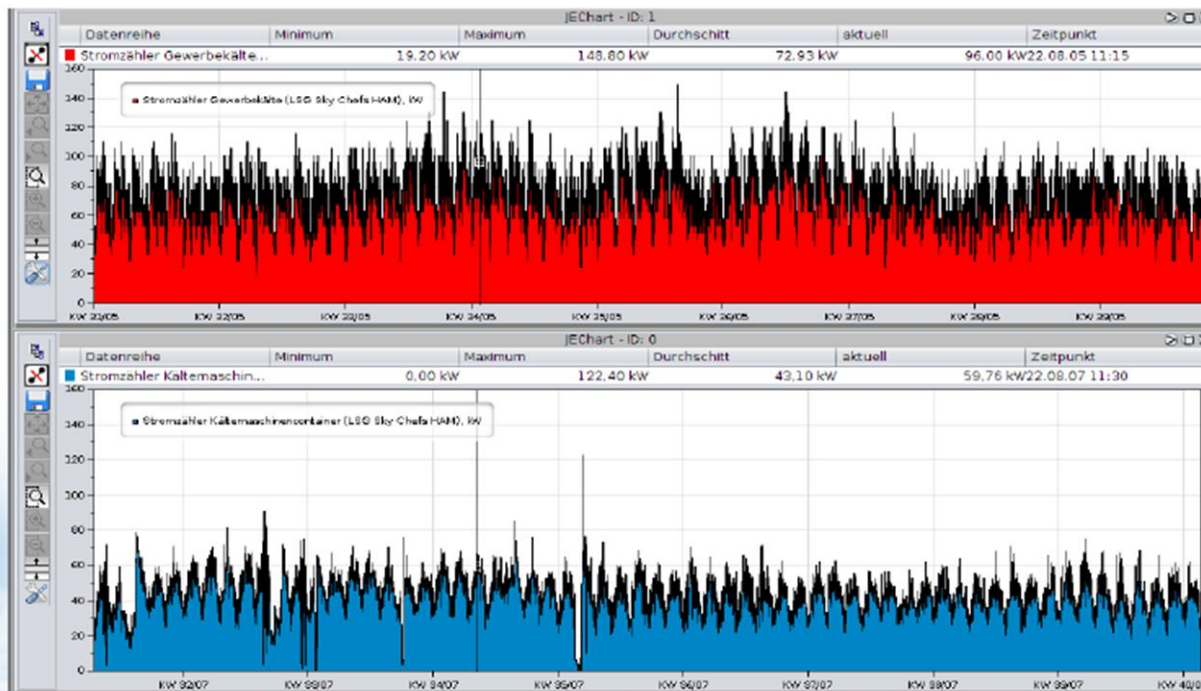


Power Consumption Coffee Machine only (standard week Mo. - So.)

ENERGY MANAGEMENT SYSTEM AUDIT SERVICE AS A PARTNER of ENVIDATEC (GERMANY)

Measure Example 2: Optimized Chiller System

Power Consumption (old compressors changed to integrated facility)



Savings: 193.000 kWh / year, equals to approximately 22.000 € / year

Technical Services



VFD CP2000 Application for
pumps



VFD - C2000 - Control cabinet Unit
screw air compressor



Provide, Install inverter for
Fans & Pumps



Control System for Conveyor
Belt



Control Cabinet for textile
machine



Control Cabinet for chiller
supply

Technical Services



VFD CP2000 and VFD C2000
Application for Cattle food
processing chain



VFD CP2000 Application for
extruder machine



VFD C2000 Application for Steel
Rolling Machine



VFD-E Application for fan

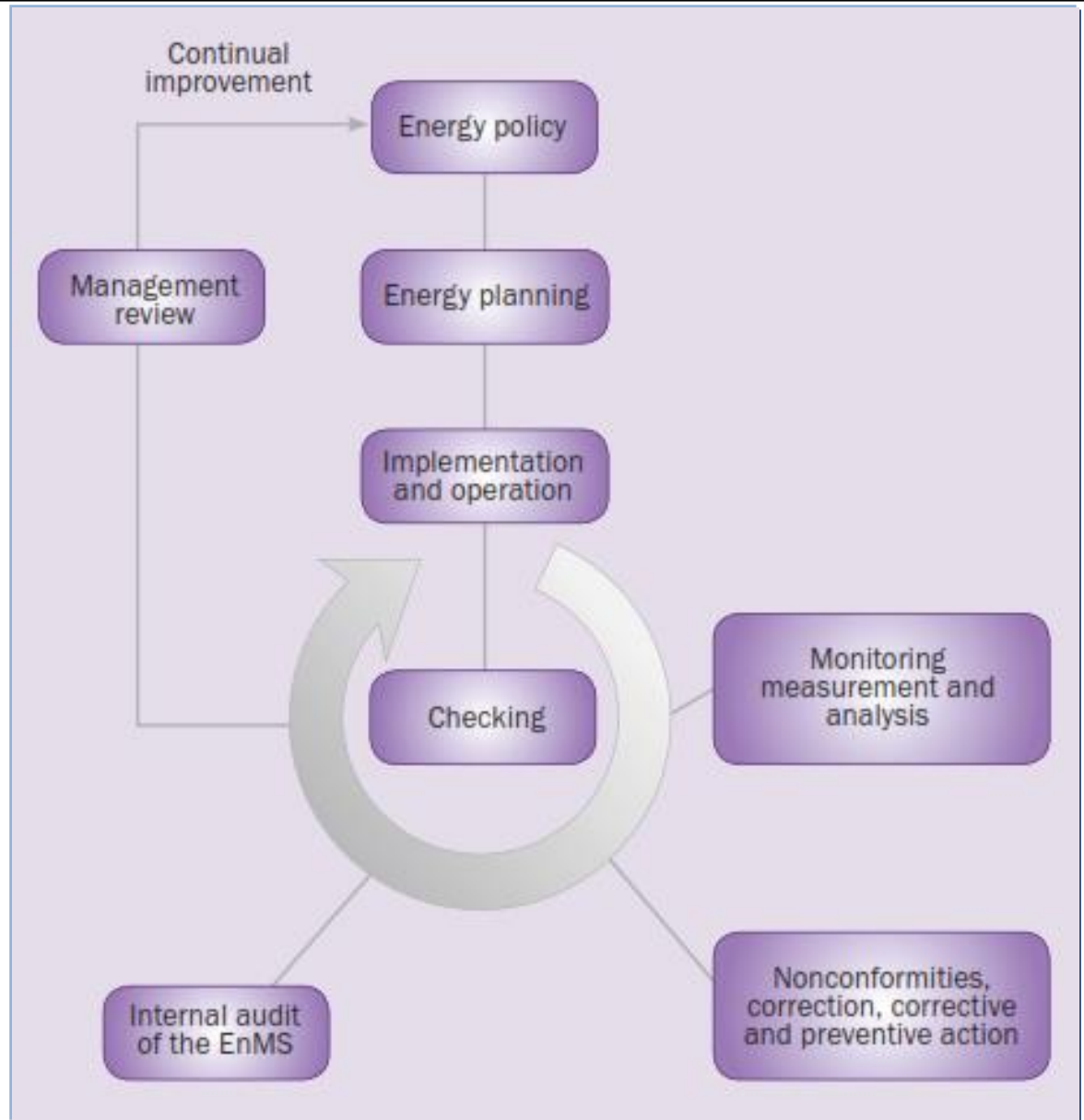


VFD CP2000 Application for steam
boiler



VFD C2000 Application for Paper
Machine

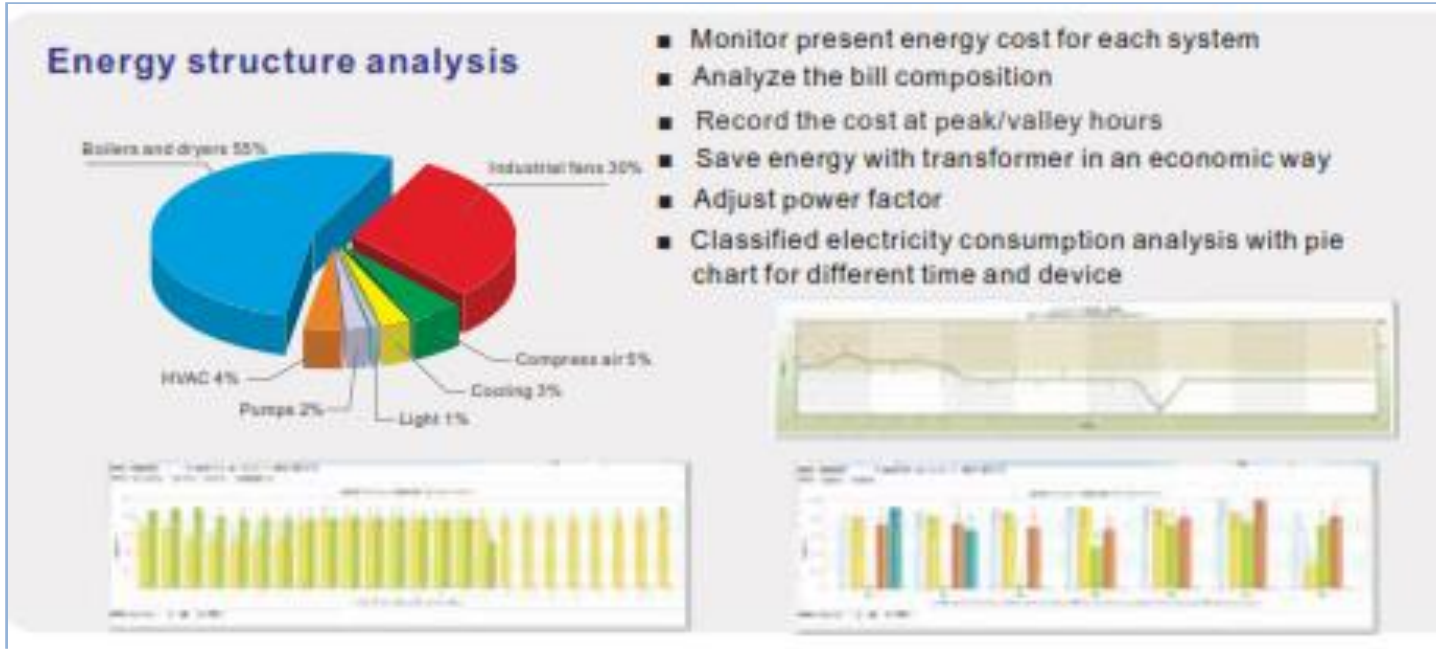
Process



- ❑ To survey and evaluate the situation
- ❑ To measure and analysis of current energy usage of factory



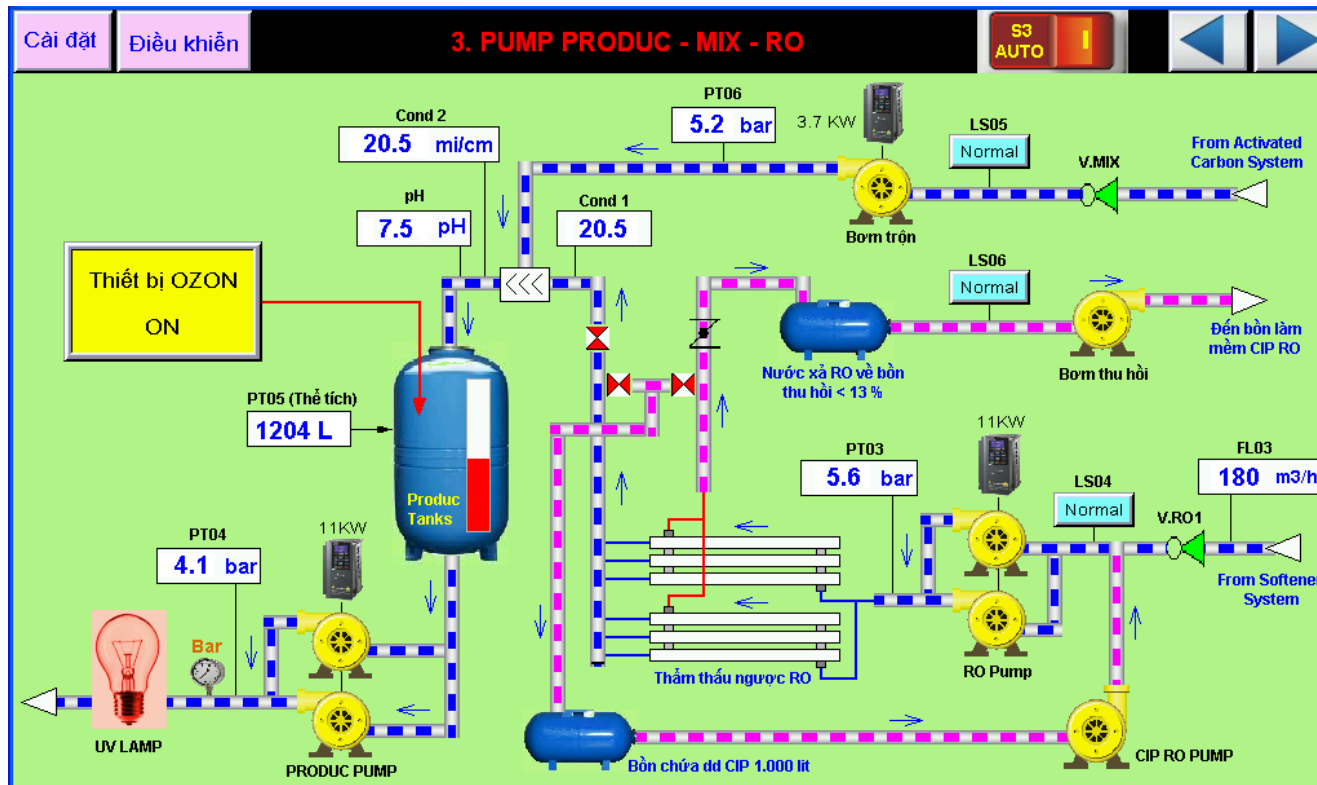
**ENERGY MANAGEMENT &
AUDIT AT THE FACTORY**



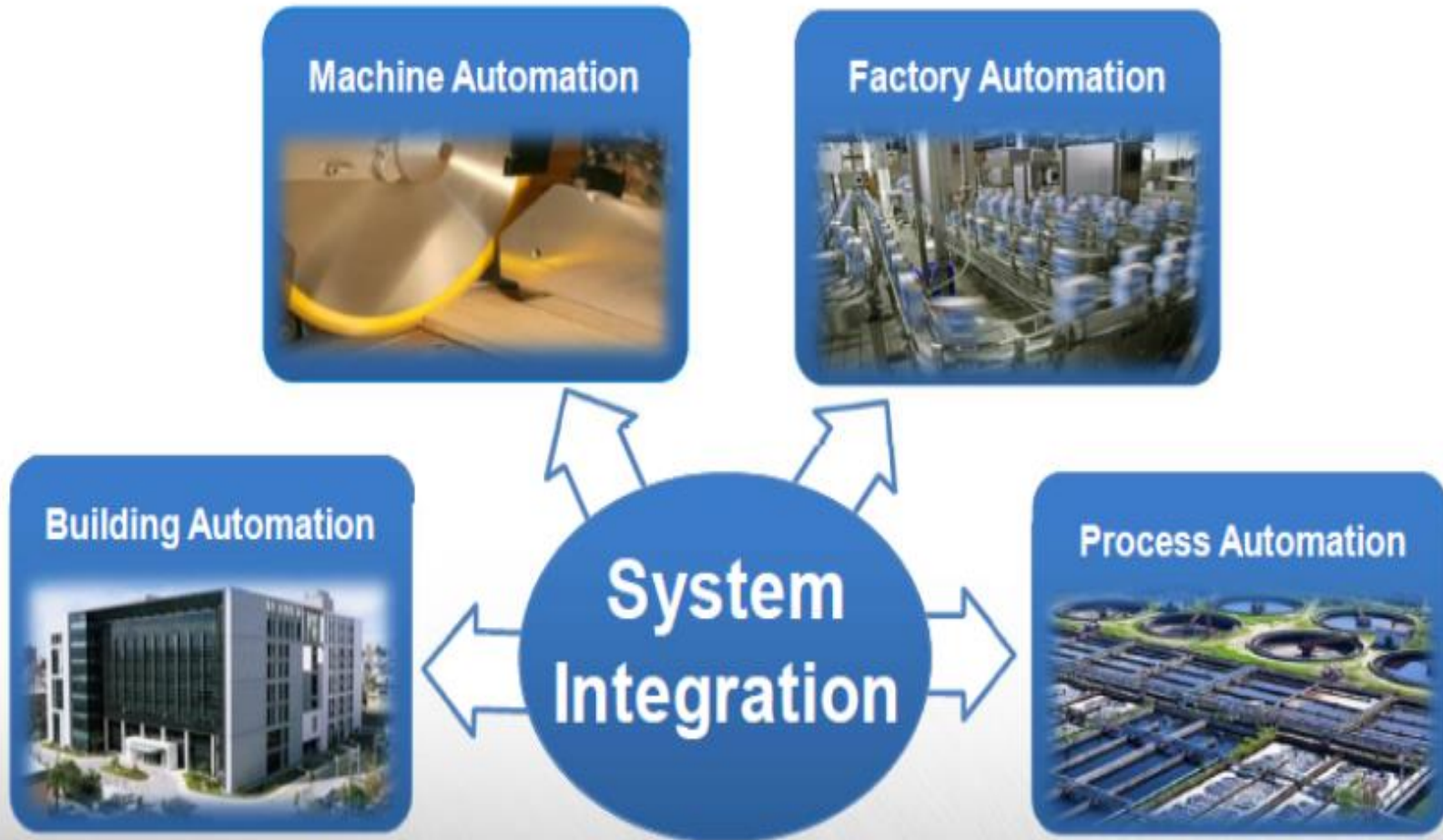
- ❑ Offering a total energy efficiency solution
- ❑ Making an investment project




































- ❑ To implement, upgrade, make new installation
- ❑ To train to operate the system
- ❑ To monitor and analyze energy usage process after investing.



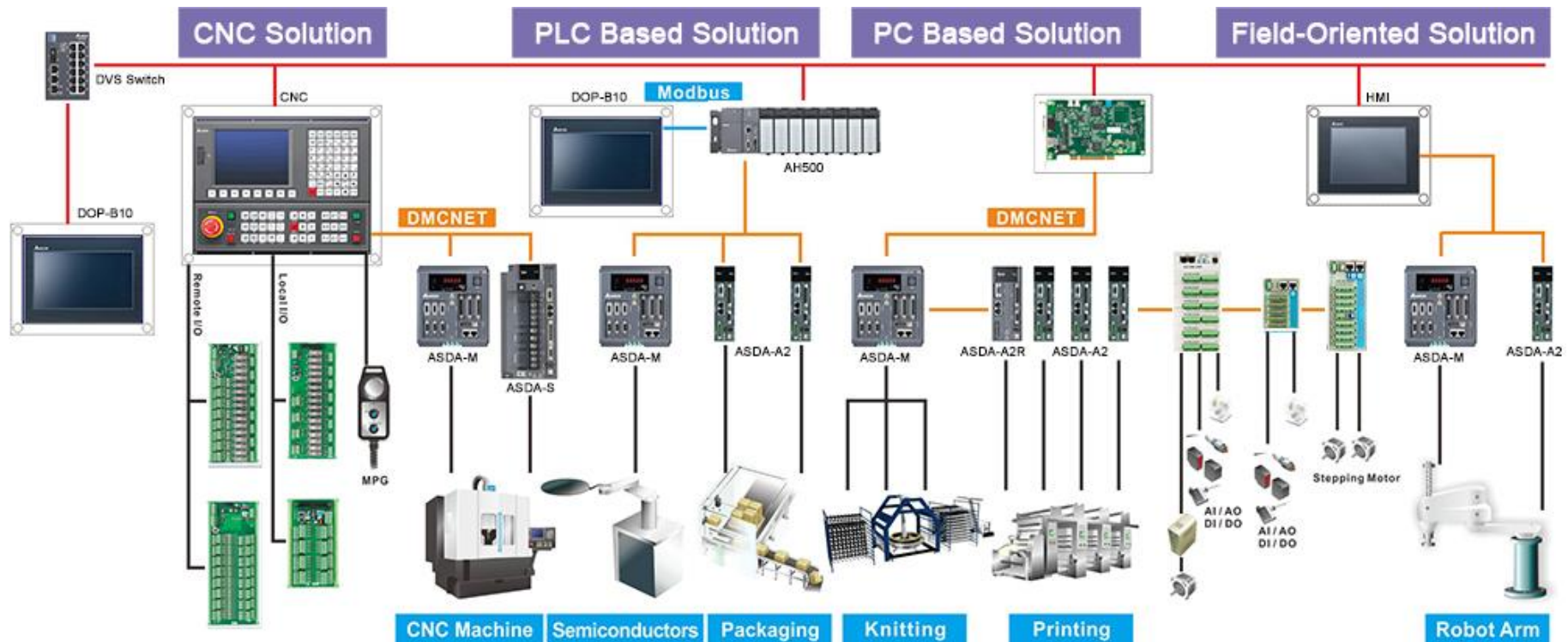
System Integration Solutions



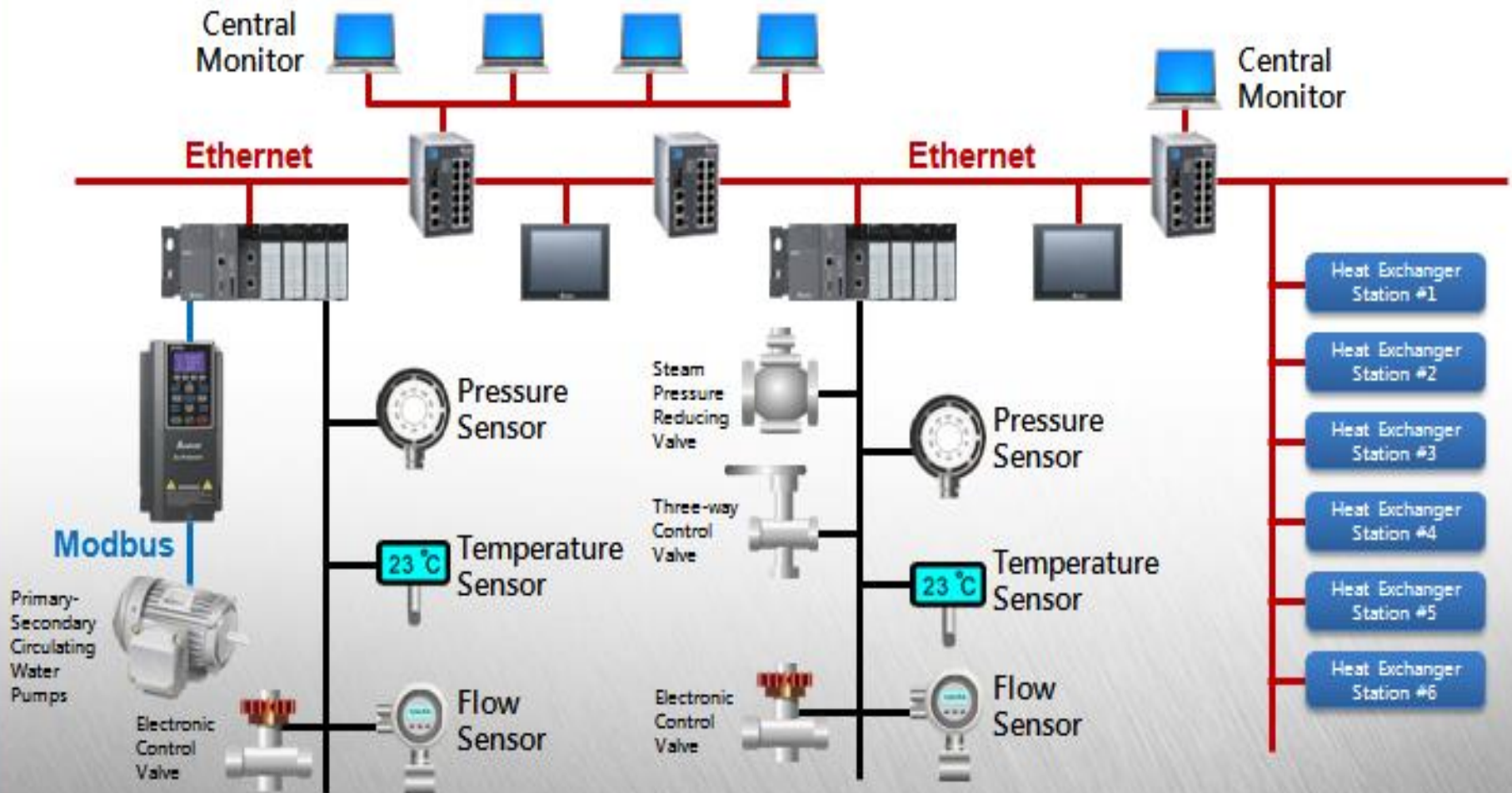
Industrial Automation Solutions

Data Analysis & Optimization	IIoT Cloud-based Platform  Big Data Analysis  Artificial Intelligence (Edge / Cloud)  Modeling & Simulation 					
Management	DIAMMP Manufacturing Management Platform  Industrial PC	DIAMES Manufacturing Execution System (MES)	DIASPC Statistical Process Control (SPC)	DIAPMS Preventative Maintenance System (PMS)	DIAWMS Warehouse Management System (WMS)	DIAAMS Alarm Management System (AMS)
Networking	IIoT Industrial Cloud Router 	Industrial Ethernet Solution 			Fieldbus Solution 	
Control & Sensing	Integration Software DIAStudio		Motion Control		Robot Controller	Machine Vision System
	HMI 	PLC 	PLC-Based Motion Controller 	CAD / CAM Computer-Aided Design / Manufacturing CNC Controller  PC-Based Motion Controller  Motion Control Card 		
System & Equipment	Sensor Pressure Sensor  Smart Sensor  Encoder 		Meter & Measurement Power Meter  Temp. Controller  Gas Flow Meter 			
	AC Motor Drive 	Servo System AC Servo Drive & Motor 	Planetary Gearbox 	Linear Stage 	Industrial Power Supply 	Servo Press 
System & Equipment	Robot 		Robot Workstations Pick & Place  Inspection  Screw Driving  Soldering 			

Motion Systems

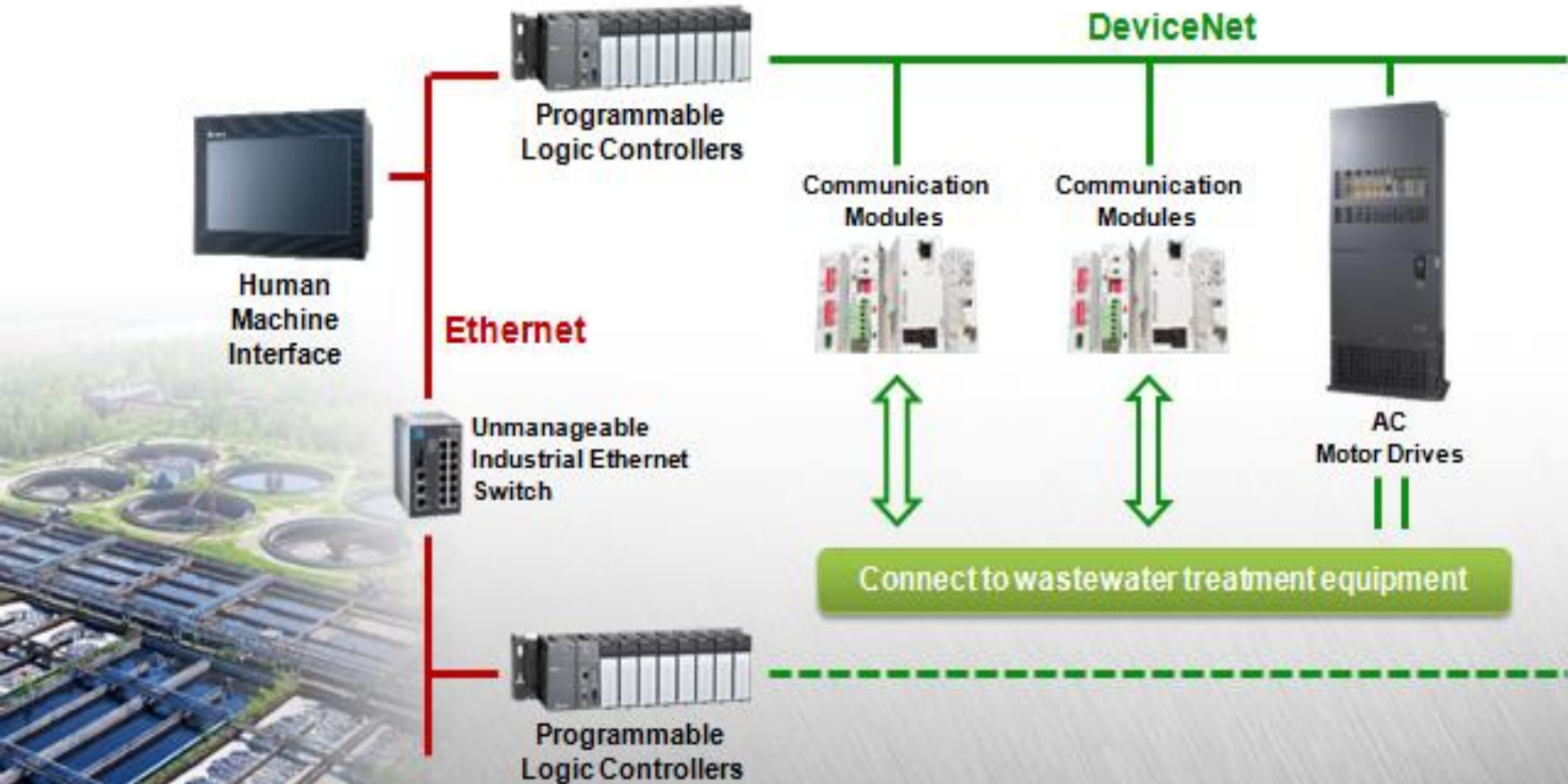


Process Automation Heating Solution



Process Automation

Wastewater Treatment Solutions



Saving Energy Solutions

Machine Automation

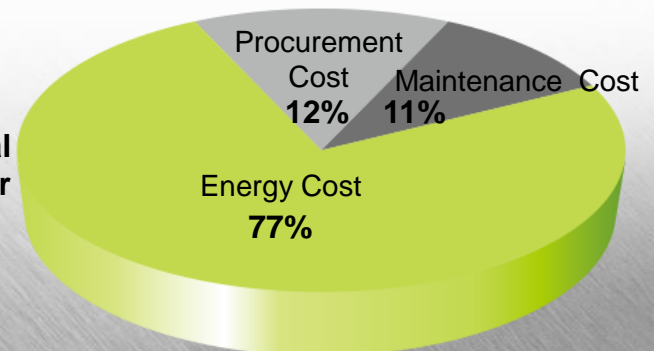
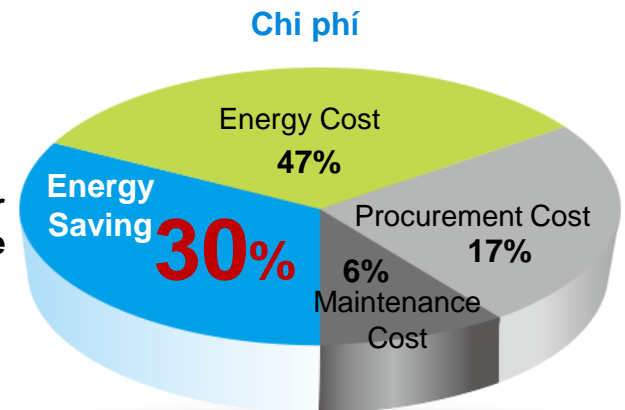
Air compressor Solution



Air Compressor
with Delta Drive



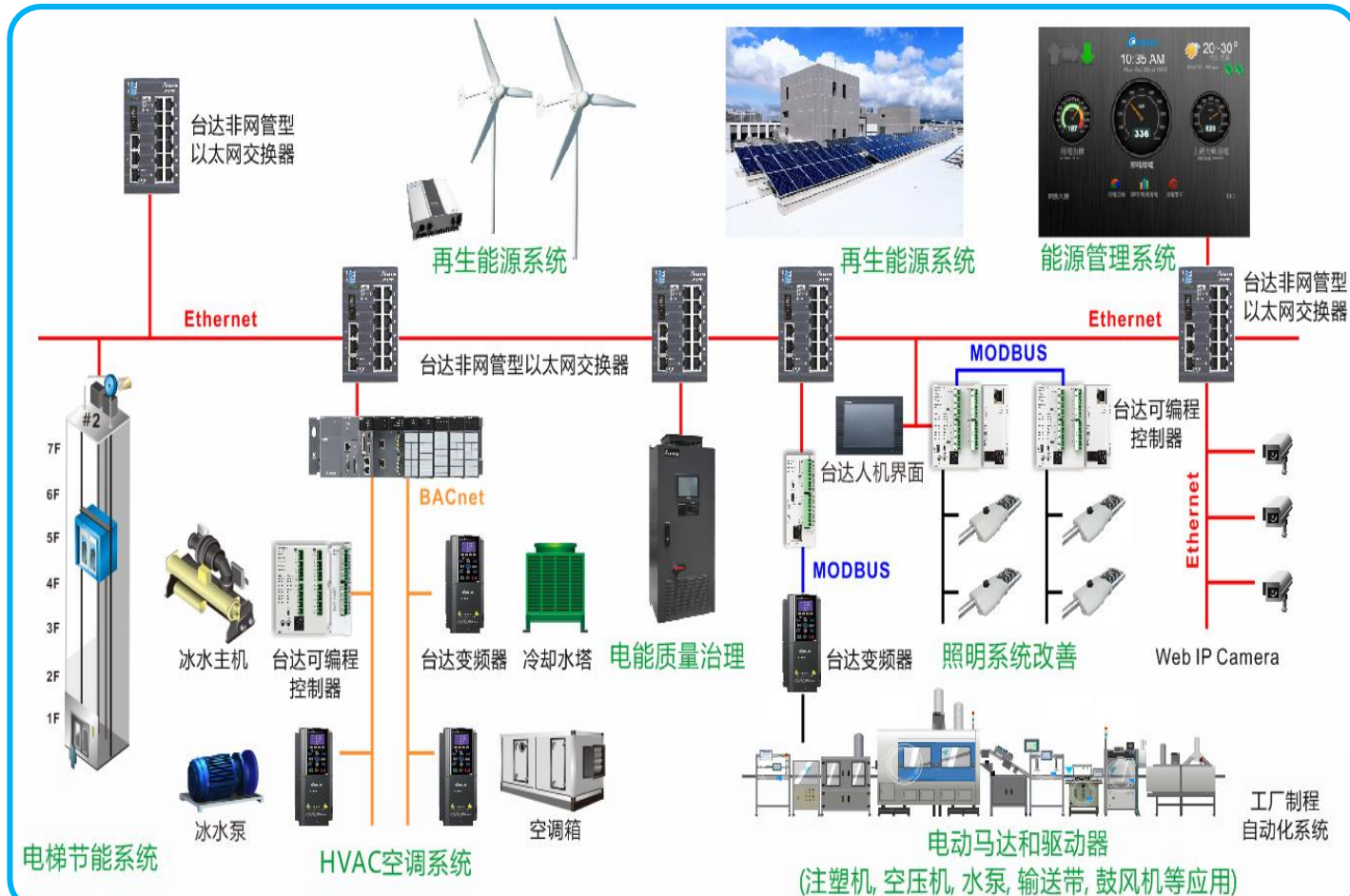
Traditional
Air Compressor



Saving Energy Solutions

Factory Automation

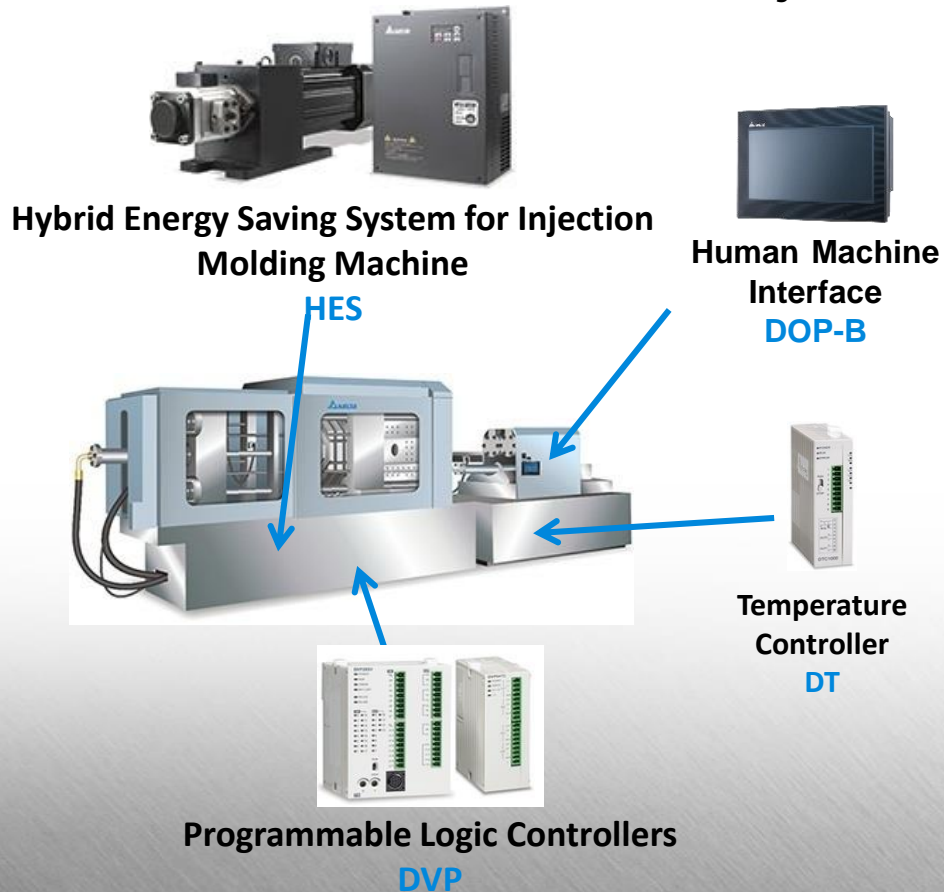
- Building Automation / Energy Management System
- HVAC System
- Lighting System
- AC Motor and Drive
- Renewable Energy System
- Power Quality Improvement



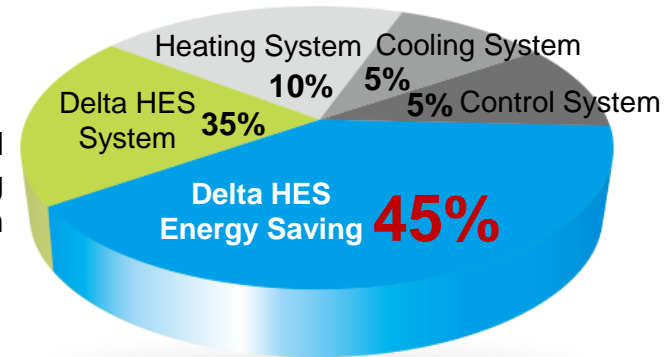
Saving Energy Solutions

Machine Automation

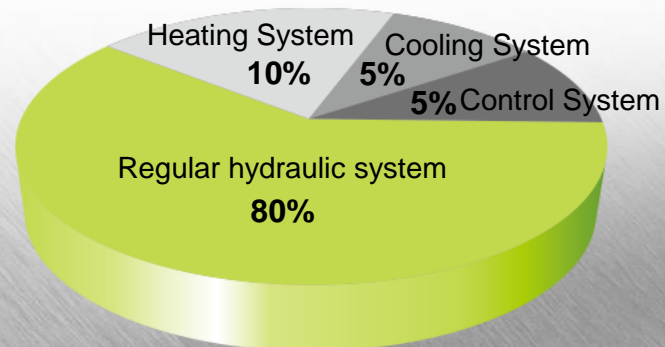
Plastics- Injection Molding Machine Solution



Delta Hybrid
Energy Saving
System



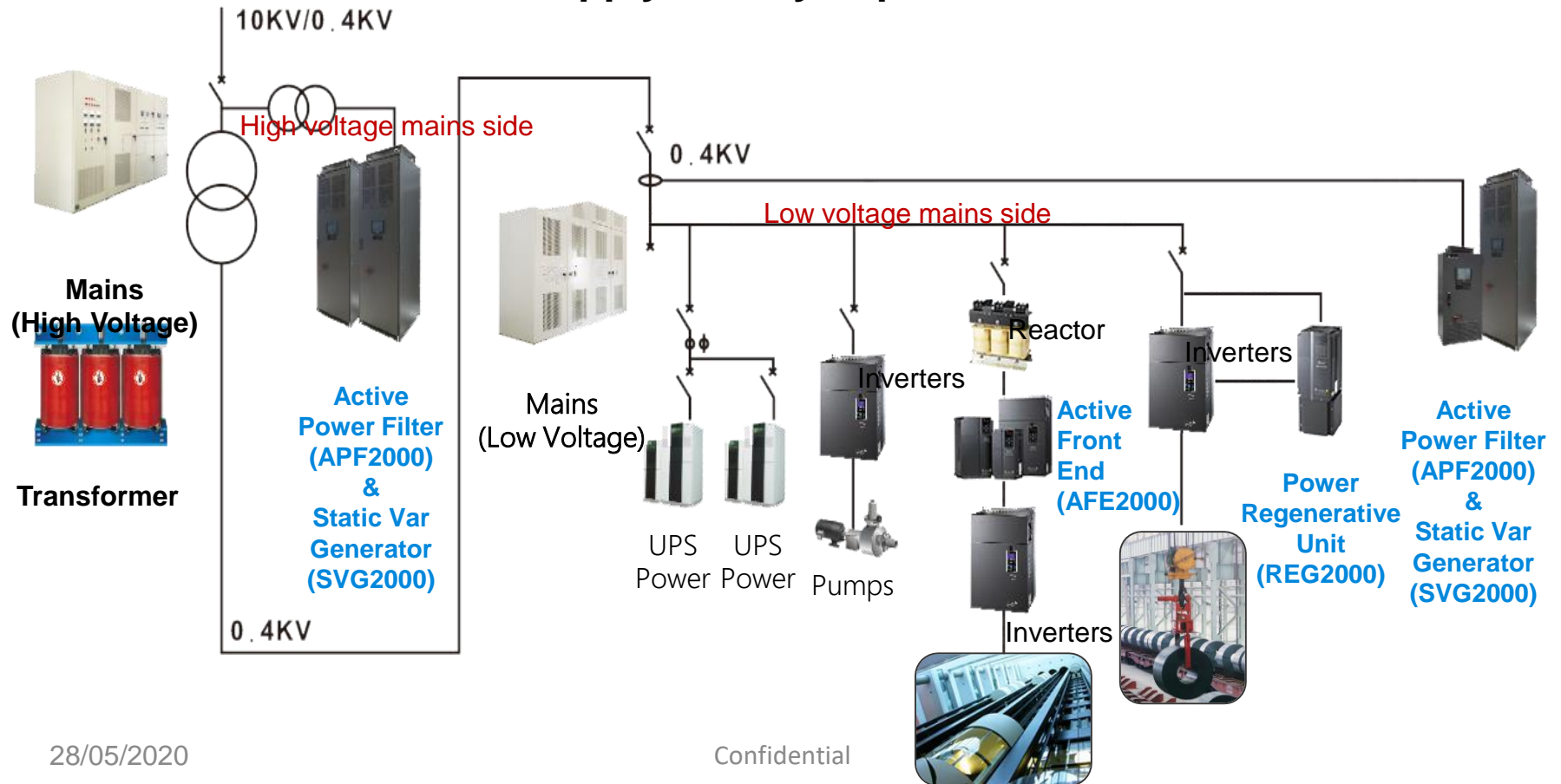
Regular
Hydraulic
System



Saving Energy Solutions

Factory Automation

Power Supply Quality Improvement Solutions

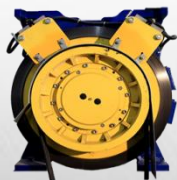
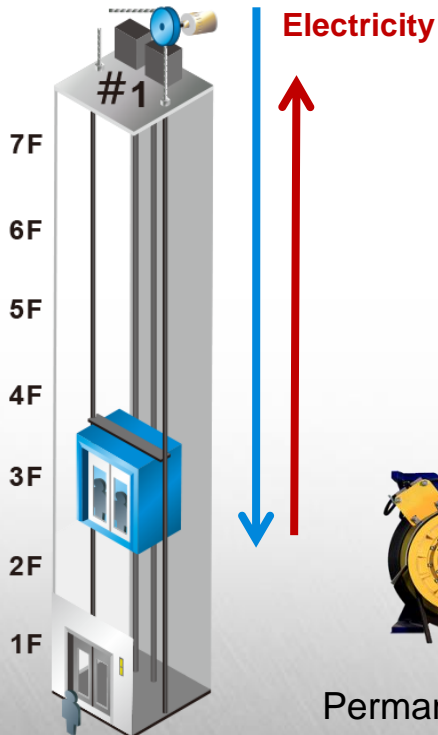


Saving Energy Solutions

Building Automation Saving Energy Solutions for Lift

Real-Time Elevator Power Consumption (**Regeneration**) Efficiency

Elevator		
Power Consumption Efficiency	-0.92	KW
Power Consumption	4901.1	KWH
Power Regeneration	987.49	KWH



+



+



40 %

Energy saving up to

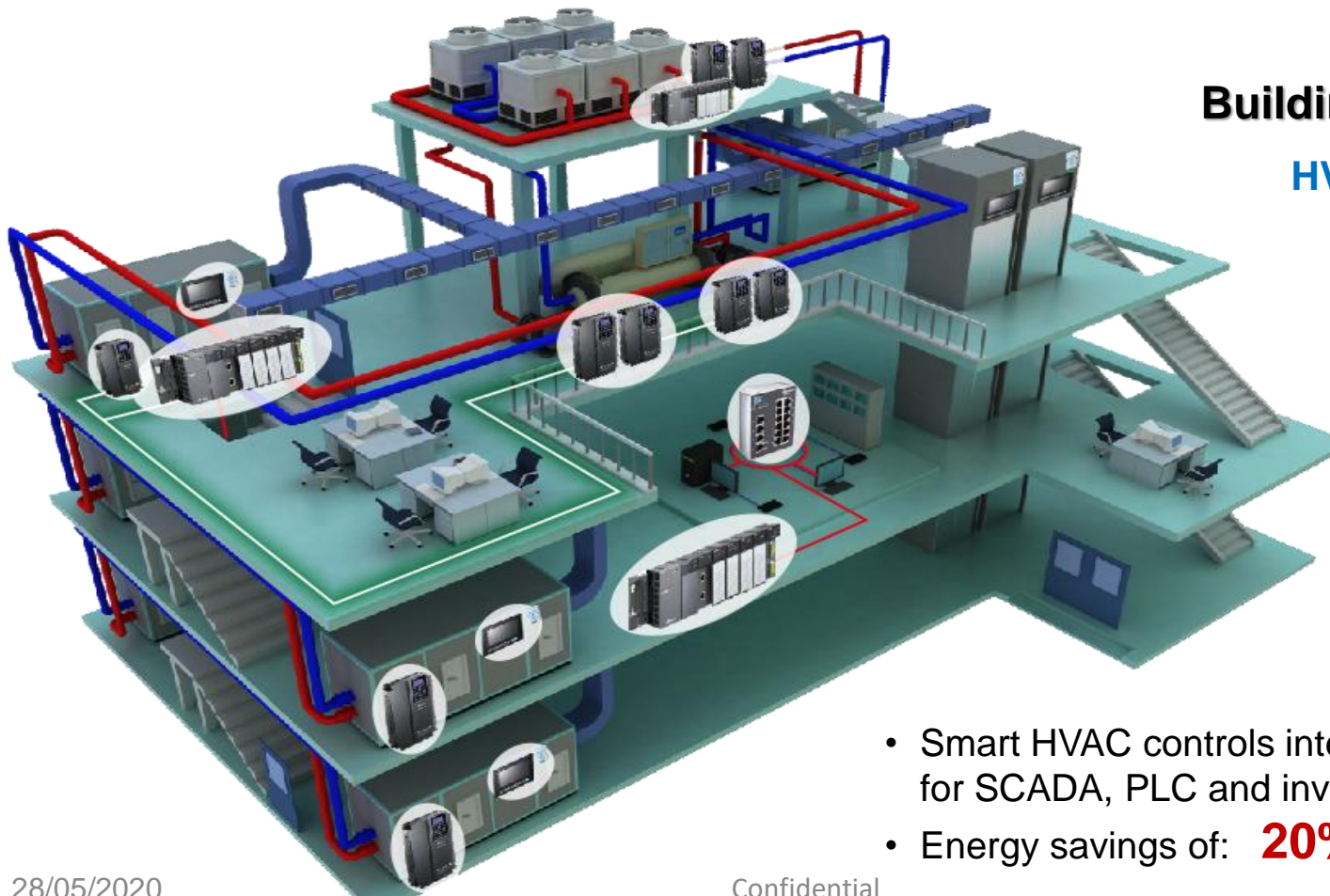
30~55%

Permanent Magnet
Synchronous Motor

Integrated
Elevator Drive




Delta Active
Front End Unit




Saving Energy Solutions



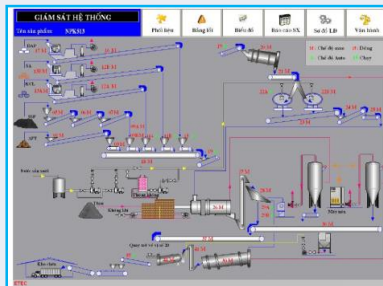





Building Automation HVAC Solutions




- Smart HVAC controls integrated systems for SCADA, PLC and inverters
- Energy savings of: **20%~50%**

Customer	Location	works	Pictures
Vietnam Mondelez Kinh Do	VSIP 1, Binh Duong	Provide, install and set program the central control system for 05 air compressors 3x160KW + 2x110KW	
Long Thanh Elite	Long thành, Đồng nai	install and set program the energy management system (115 Power Meters)	
Minh Phat Boiler	Nhiều địa điểm	The boiler control system	

Customer	Location	works	Pictures
Viet Thang Corporation	Linh Trung – Thu Đức	Control Cabinet for cotton wool - machine	
Vinamilk Viet Nam	My Phuoc – Binh Duong	Control Cabinet for 4 pumps and connect with system	
Dak Lak Tapioca starch factory	Dang Kang - Krong Bong - Dak Lak	Provide Control cabinet for starch centrifugal machine	

Customer	Location	Works	Pictures
Vina Acecook	Thuan An Factory – Binh Duong Province	Provide, install control cabinet biological filter aerator for sewage treatment system	
Kyocera Viet Nam	Thang Long 2 Industrial Zone - Yên Mỹ - Hưng Yên	Provide, Install inverter for Fans & Pumps	
Agricultural products & materials JSC (Apromaco) – Super phosphate production plant & NPK Lao Cai Lan	Tang Loong Industrial zone - Bao Thang - Lao Cai	Install conveyor weighting control system Design, programming supervisory control and data acquisition system (SCADA)	


Customer	Location	Works	Pictures
Duy Tan Plastic Corporation	An Lac - Binh Tan	Provide, Install control cabinet extruder machine Power 55kW (75HP)	
Panasonic Viet Nam	Nam Thang Long Industrial zone – Dong Anh – Ha Noi	Control cabinet Unit screw air compressor 110kW (150HP)	
Viet Nam Flour mills limited	My Xuan A Industrial zone – Ba Ria Vung Tau	Control cabinet Fan -> saving energy up to 30-40%	



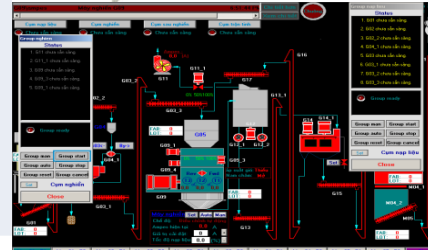
Customer	Location	Works	Pictures
Zenith Cutter Viet Nam	Tan Thuan, Distr. 7, HCMC	Control cabinet displacement grind stone system and stone rotary motor	
Binh An Texco	Linh Trung, Thu Duc, HCMC	Design, install control cabinet for cloth print line	
Bien Hoa Sugar JSC	Tri An – Vinh Cuu – Dong Nai	Provide, install control cabinet for plate filter and reactor tank	






REFERENCE PROJECTS



Customer	Location	Works	Pictures
Tan Tien Plastic packaging JSC	Luy Ban Bich Str., Tan Phú Dis., HCMC	Provide, install control cabinet for air compressor 75kW (100HP)	
Foster Electric Viet Nam Co.,ltd	Binh Duong Province	Provide, install control cabinet for air compressor -> saving energy up to 30-35%	
Masan Group	Tan Dong Hiep, Binh Duong Province	Provide, install control cabinet for Cooling Tower pump	

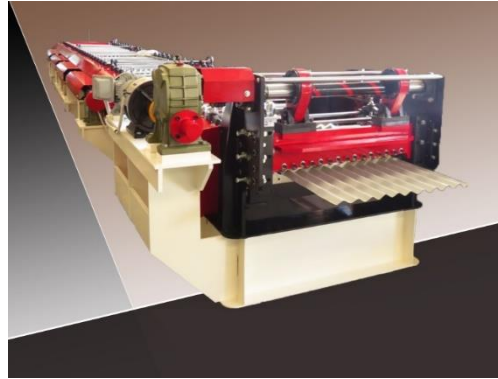
Customer	Location	Works	Pictures
Superphosphate production plant Lam Thao	Lam Thao - Phu Tho	Design, install for control six conveyers and five boxed weightings system	
Vitecfood Co.,Ltd	Tan Phu Dis., HCMC	Design, Install control cabinet for Supervisory control and data acquisition system (SCADA)	
Đồng Tiến Co.ltd – Vinaken beer factory	Hoc Mon – HCMC	Design, Install control cabinet for Supervisory control and data acquisition system (SCADA)	

Customer	Location	Works	Pictures
Tuy Hoa sugarcane and sugar jsc	Hoa Phu - Tay Hoa - Phu Yen	Design, Install control cabinet boiler and centrifugal machine	
Biên Hòa Sugar JSC	Biên Hòa Industrial zone - Đồng Nai	Design, Install control cabinet plate filter	
Ho Chi Minh Television	Dinh Tien Hoang – Dist. 1	Supervisory control and data acquisition system (SCADA)	

Customer	Location	Works	Pictures
SHOE INDUSTRY CUSTOMERS – TAIWAN	TAN TAO ,HOCHIMINH CITY	SCADA , EMS , IIoT system	<p>Tủ truyền thông (communication panel)</p> 
SHOE INDUSTRY CUSTOMERS – TAIWAN	BINH DUONG/ DONG NAI	SCADA , EMS , IIoT system	<p>Hình ảnh thực tế</p> 
SHOE INDUSTRY CUSTOMERS – TAIWAN	Tan Thuan zone, HCM City	SCADA , EMS , IIoT system	



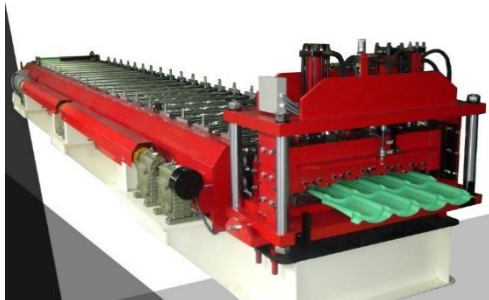
Roofing roll forming machine with PE stick



Roofing corrugated roll forming machine



Roofing roll forming machine



Step tile roll forming machine



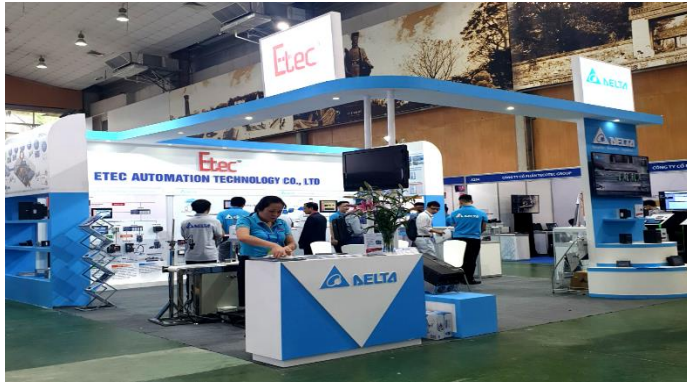
PU Panel Roll Forming Machine



Folder machine



EXHIBITIONS – SEMINARS & PRESS CONFERENCE



VCCA 2019



DELTA - Smart City Solution seminar



Taitra & FBNC press conference



ETEC - Smart manufacturing Solution seminar



EXHIBITIONS – SEMINARS & PRESS CONFERENCE



METALEX 2019



DELTA SEMINAR 2019



DELTA ROBOT - Training



VSFI - VIMAP



COMMITMENTS TO CUSTOMERS



With our dedicated career and professional capacities, ETEC was constantly striving to bring the real value that customers are expecting. Because of these reasons, ETEC has won trust during the past years. We hope to continue to receive more trust from customers in the future.

In the upcoming business orientation , we would like to increase the added value to each of our product or service that has been provided to customers through the corporate service policy: "High quality, trusted, competitive price, optimally technical solutions and best after sales for your business operation"

ETEC always strives to offer the best values for:

1. **Customer Orientation**
2. **Employees Satisfaction**
3. **Partners Cooperation**
4. **Community Share**
5. **Society Share**

ETEC has built a business platform which associated with the real value for customers by strategy "WIN-WIN" - "Bilateral Cooperation, Double-win".

ETEC will always be a reliable partner, a companion and an assistance of our customers during manufacturing and business operation "ETEC always create sustainable trust with our business partners"

The view of customers services:

- **The spirit of teamwork**
- **The innovation**
- **Quality Services**
- **Optimal costs**

