APPLIED AUTOMATION

- A System Integrator

Energy Management

Data Logging

Industrial Process Automation

Alarm Management

Utility Management System

SCADA
SUPERVISORY CONTROL AND DATA ACQUISITION

Process SCADA

Custom Data Reporting & Visualization

Energy Monitoring

IIoT (Monitor & Control from Anywhere)

Renewable Energy Management

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appliedautomationbd@gmail.com
appliedautomationbd.com
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Meet Applied Automation

APPLIED AUTOMATION

Establishment:

Since 2016, Applied Automation has been leading the way in industrial automation.

Vision:

Professional support throughout the entire process, from advising to operation.

Focus:

Assists businesses in adapting to Industry 4.0 and new global economic realities.

Specialization:

Engineering, industrial automation solutions, consulting, manufacturing, and integration of automated production systems.

Innovation:

Enhancing innovation with custom solutions that optimize industrial processes & efficiency.

Expertise:

Team of qualified experts in automation, instrumentation, information systems, mechatronics, and power.

Comprehensive Solutions:

Offers hardware, software, and services from a single source.

Proven Approaches:

Utilizes tried and tested system solutions developed over the past few years.

Our Strategic Collaborations Across Diverse Industry Sectors

"Meeting the Needs of Even More Industries!"

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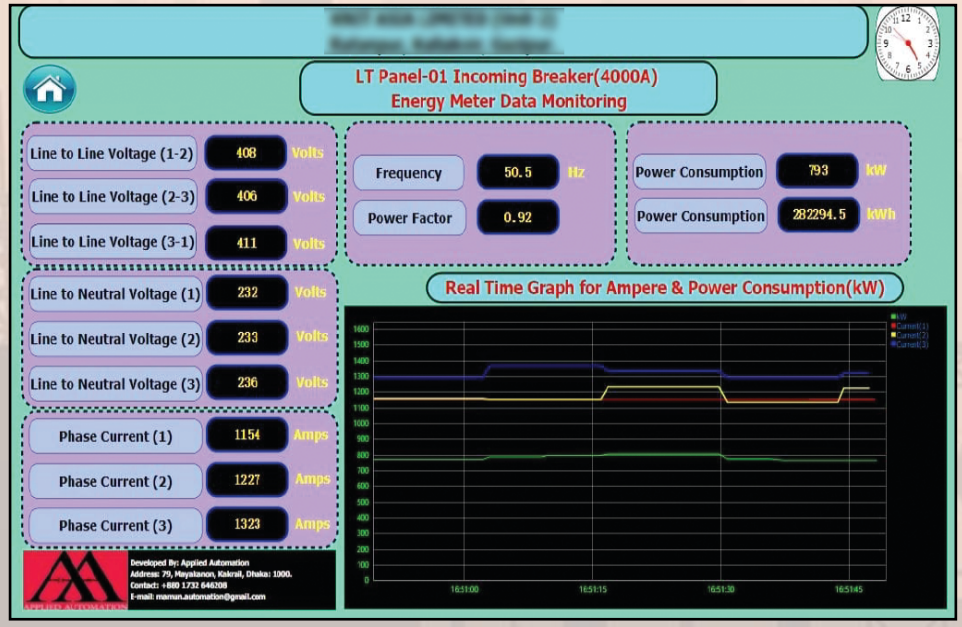
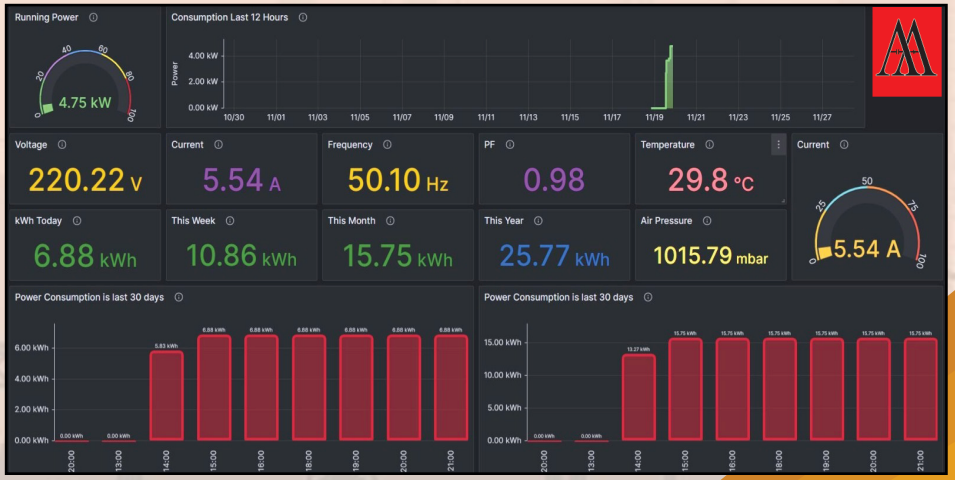
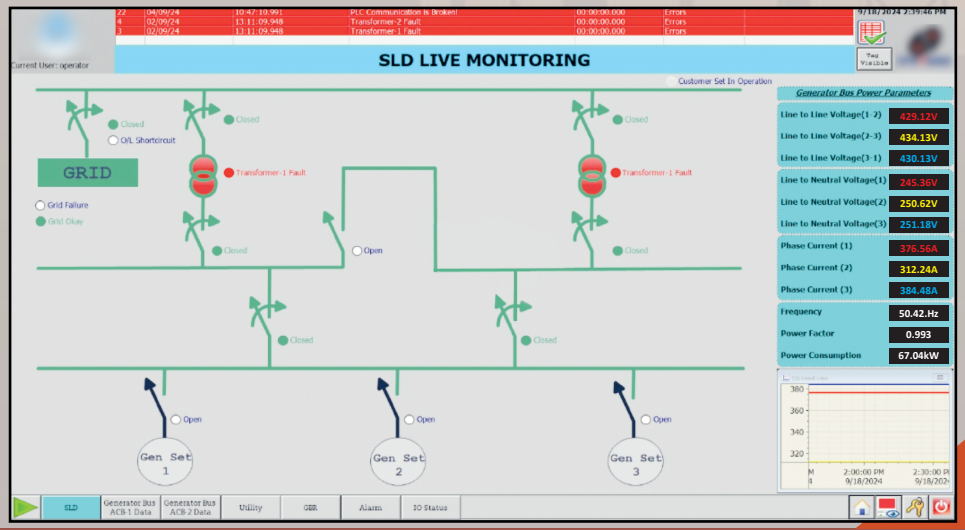
Energy Management System

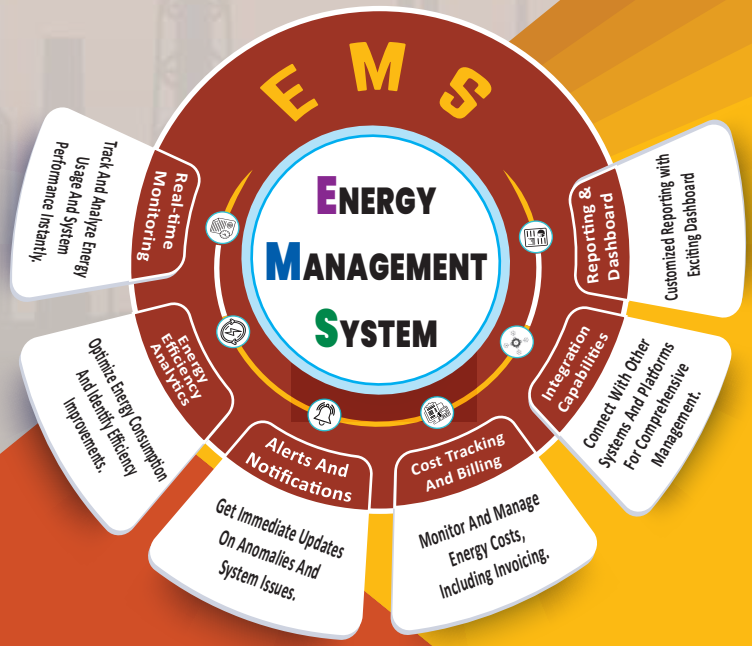
APPLIED AUTOMATION

Applied Automation: Leading the Way in Energy Management System / Substation Automation









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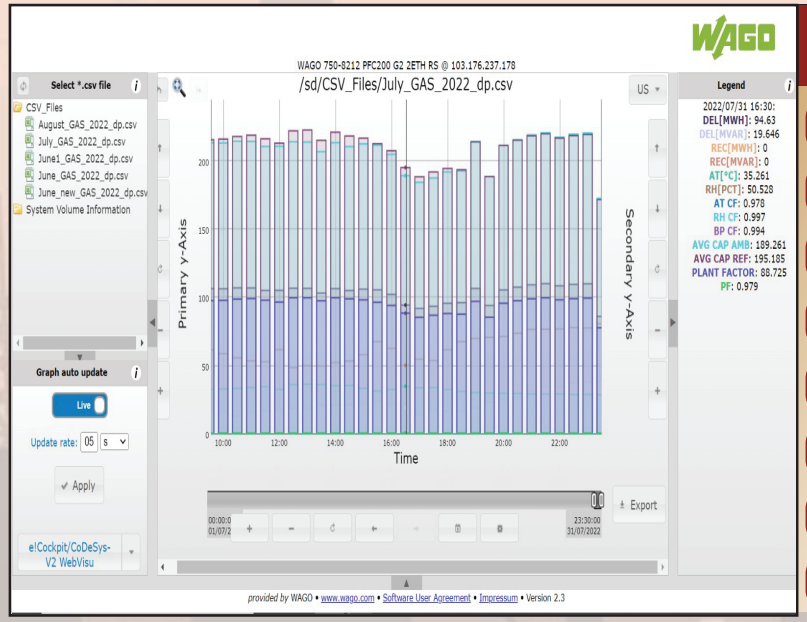
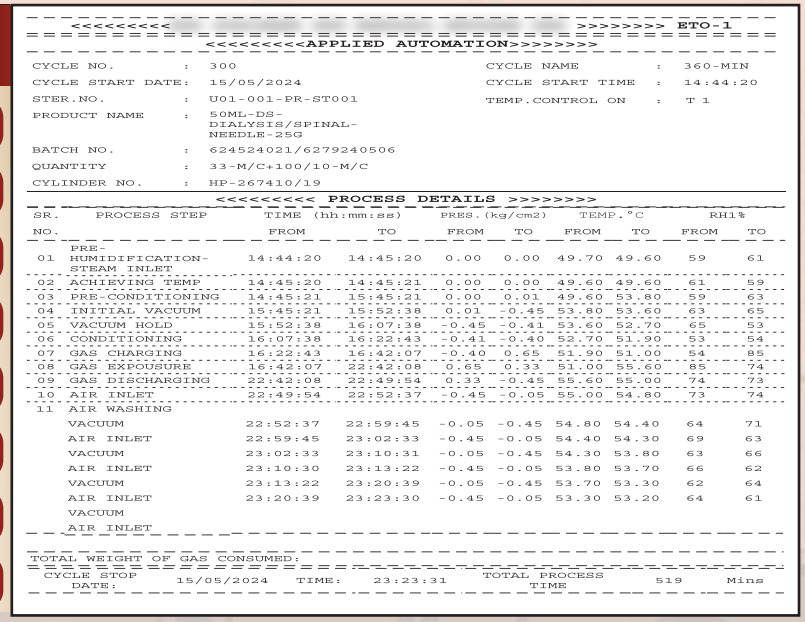
Data Logging & Customized Reporting

APPLIED AUTOMATION



Data Logging

- Real-Time Data Collection
- High Data Accuracy
- Multi-Source Logging
- Historical Data Storage
- Automated Logging
- Remote Data Access
- Event-Based Logging
- Data Export



ETO-1

APPLIED AUTOMATION

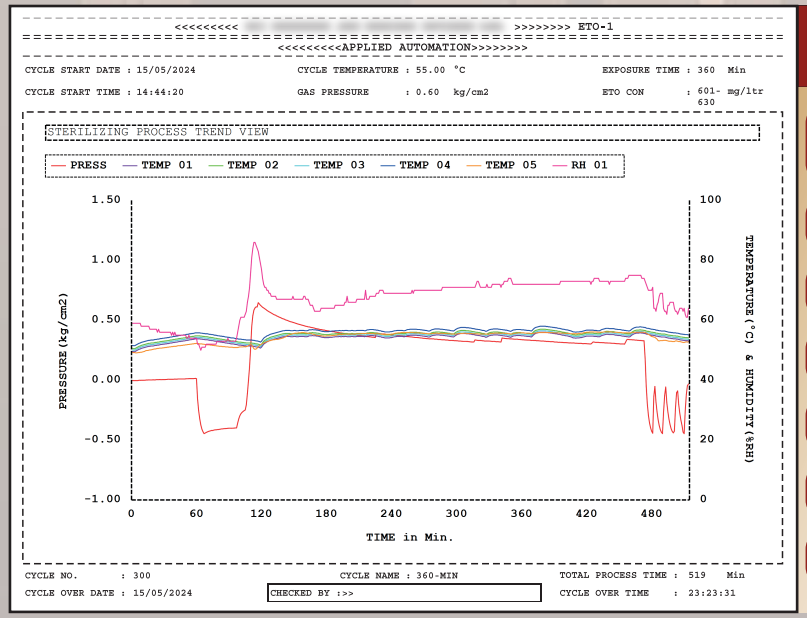
CYCLE NO.	: 300	CYCLE NAME	: 360-MIN
CYCLE START DATE	: 15/05/2024	CYCLE START TIME	: 14:44:20
STER.NO.	: U01-001-PR-ST001	TEMP.CONTROL ON	: T 1
PRODUCT NAME	: 50ML-DS-DIALYSIS/SPINAL-NEEDLE-25G		
BATCH NO.	: 624524021/6279240506		
QUANTITY	: 33-M/C+100/10-M/C		
CYLINDER NO.	: HP-267410/19		

PROCESS DETAILS

SR. NO.	PROCESS STEP	TIME (hh:mm:ss) FROM	TO	PRES.(kg/cm2) FROM	TO	TEMP.°C FROM	TO	RH1% FROM	TO
01	PRE-HUMIDIFICATION-STEAM INLET	14:44:20	14:45:20	0.00	0.00	49.70	49.60	59	61
02	ACHIEVING TEMP	14:45:20	14:45:21	0.00	0.00	49.60	49.60	61	59
03	PRE-CONDITIONING	14:45:21	15:45:21	0.00	0.01	49.60	53.80	59	63
04	INITIAL VACUUM	15:45:21	15:52:38	0.01	-0.45	53.80	53.60	63	65
05	VACUUM HOLD	15:52:38	16:07:38	-0.45	-0.41	53.60	52.70	65	53
06	CONDITIONING	16:07:38	16:22:43	-0.41	-0.40	52.70	51.90	53	54
07	GAS CHARGING	16:22:43	16:42:07	-0.40	0.65	51.90	51.00	54	85
08	GAS EXPOSURE	16:42:07	22:42:08	0.65	0.33	51.00	55.60	85	74
09	GAS DISCHARGING	22:42:08	22:49:54	0.33	-0.45	55.60	55.00	74	73
10	AIR INLET	22:49:54	22:52:37	-0.45	-0.05	55.00	54.80	73	74
11	AIR WASHING								
	VACUUM	22:52:37	22:59:45	-0.05	-0.45	54.80	54.40	64	71
	AIR INLET	22:59:45	23:02:33	-0.45	-0.05	54.40	54.30	69	63
	VACUUM	23:02:33	23:10:31	-0.05	-0.45	54.30	53.80	63	66
	AIR INLET	23:10:30	23:13:22	-0.45	-0.05	53.80	53.70	66	62
	VACUUM	23:13:22	23:20:39	-0.05	-0.45	53.70	53.30	62	64
	AIR INLET	23:20:39	23:23:30	-0.45	-0.05	53.30	53.20	64	61
	VACUUM								
	AIR INLET								

TOTAL WEIGHT OF GAS CONSUMED:

CYCLE STOP DATE: 15/05/2024 TIME: 23:23:31 TOTAL PROCESS TIME 519 Mins



ETO-1

APPLIED AUTOMATION

CYCLE START DATE : 15/05/2024 CYCLE TEMPERATURE : 55.00 °C EXPOSURE TIME : 360 Min

CYCLE START TIME : 14:44:20 GAS PRESSURE : 0.60 kg/cm2 ETO CON : 601-630 mg/ltr

STERILIZING PROCESS TREND VIEW

PRESS TEMP 01 TEMP 02 TEMP 03 TEMP 04 TEMP 05 RH 01

PRESSURE (kg/cm2)

TEMPERATURE (°C) & HUMIDITY (%RH)

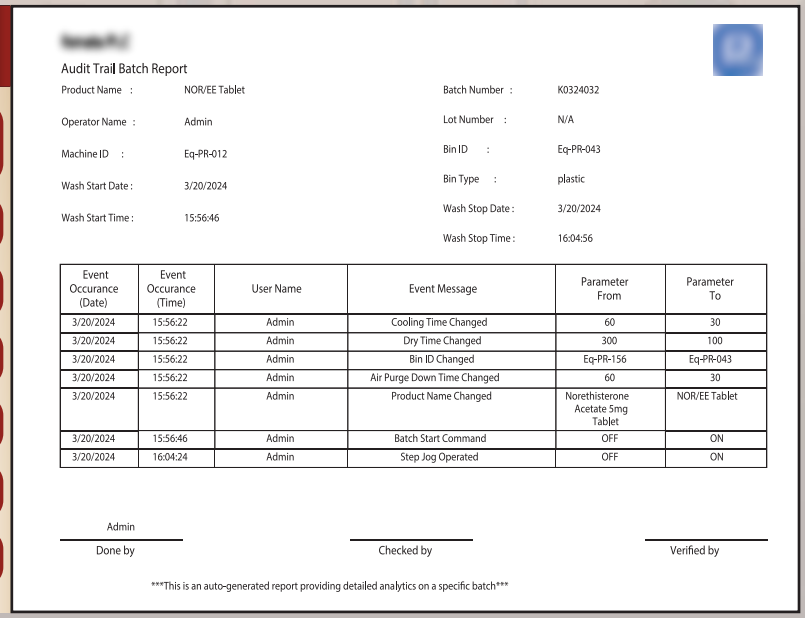
TIME in Min.

CYCLE NO. : 300 CYCLE NAME : 360-MIN TOTAL PROCESS TIME : 519 Min

CYCLE OVER DATE : 15/05/2024 CHECKED BY :>> CYCLE OVER TIME : 23:23:31

Customized Reporting

- 21 CFR Part 11 by U.S. Food & Drug Administration (FDA)
- Electronic Records Compliance
- Electronic Signatures
- Audit Trails
- Access Controls
- System Security
- Archiving



Audit Trail Batch Report

Product Name :	NOR/EE Tablet	Batch Number :	K0324032
Operator Name :	Admin	Lot Number :	N/A
Machine ID :	Eq-PR-012	Bin ID :	Eq-PR-043
Wash Start Date :	3/20/2024	Bin Type :	plastic
Wash Start Time :	15:56:46	Wash Stop Date :	3/20/2024
		Wash Stop Time :	16:04:56

Event Occurance (Date)	Event Occurance (Time)	User Name	Event Message	Parameter From	Parameter To
3/20/2024	15:56:22	Admin	Cooling Time Changed	60	30
3/20/2024	15:56:22	Admin	Dry Time Changed	300	100
3/20/2024	15:56:22	Admin	Bin ID Changed	Eq-PR-156	Eq-PR-043
3/20/2024	15:56:22	Admin	Air Purge Down Time Changed	60	30
3/20/2024	15:56:22	Admin	Product Name Changed	Norethisterone Acetate 5mg Tablet	NOR/EE Tablet
3/20/2024	15:56:46	Admin	Batch Start Command	OFF	ON
3/20/2024	16:04:24	Admin	Step Jog Operated	OFF	ON

Admin
Done by

Checked by

Verified by

This is an auto-generated report providing detailed analytics on a specific batch

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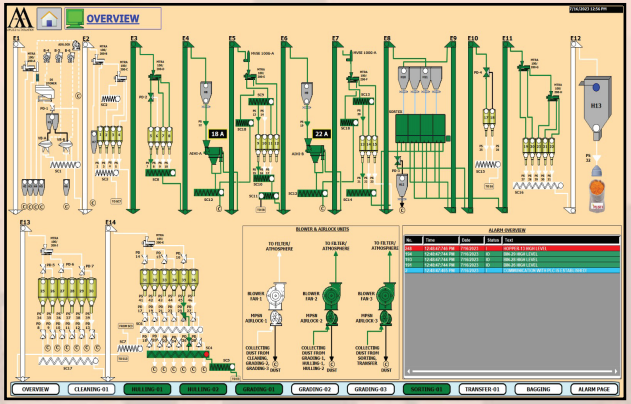
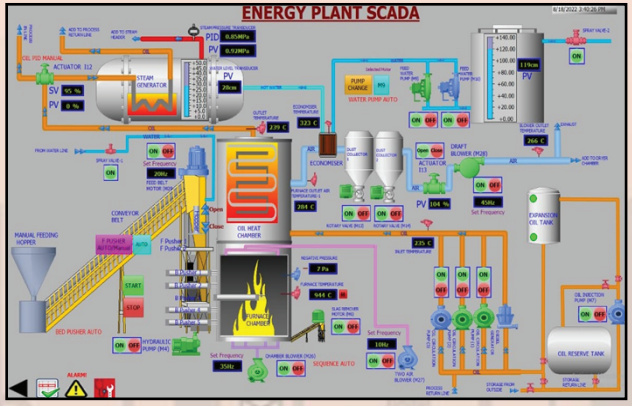
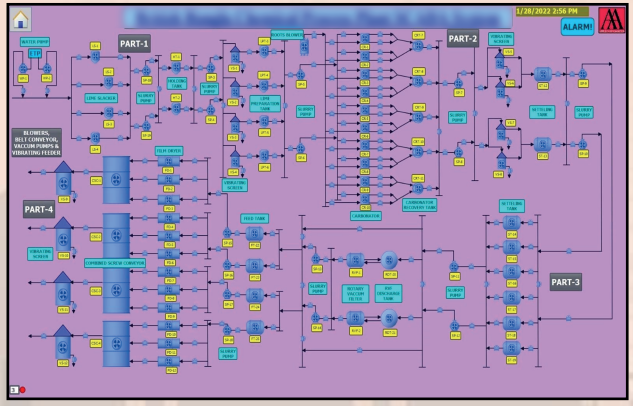
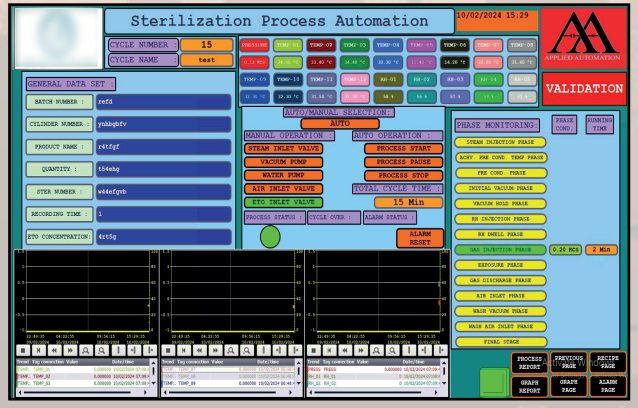
SCADA Implementation Portfolio

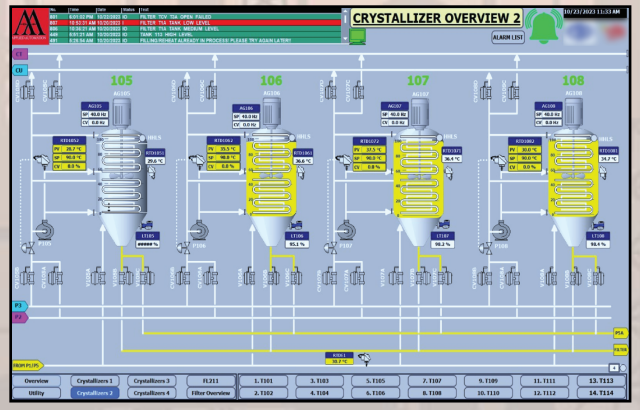
APPLIED AUTOMATION

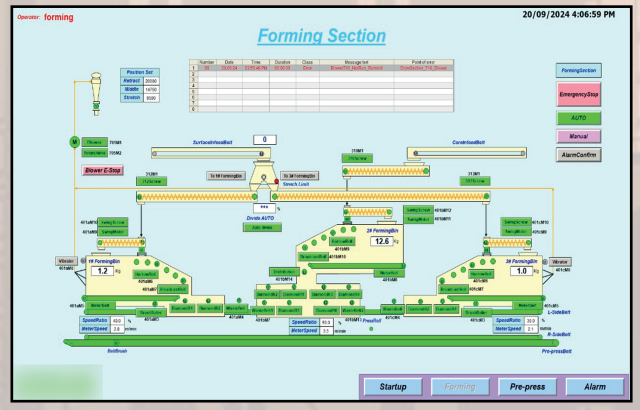


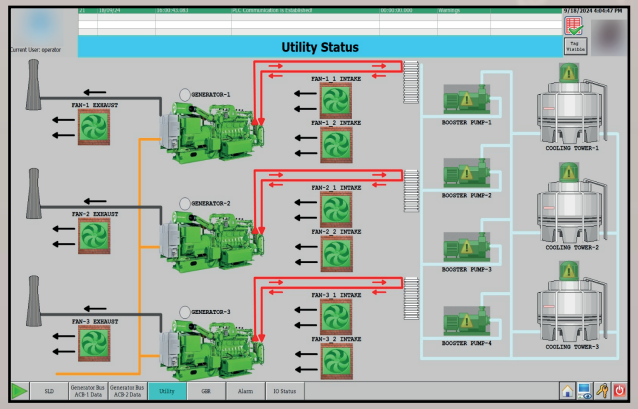


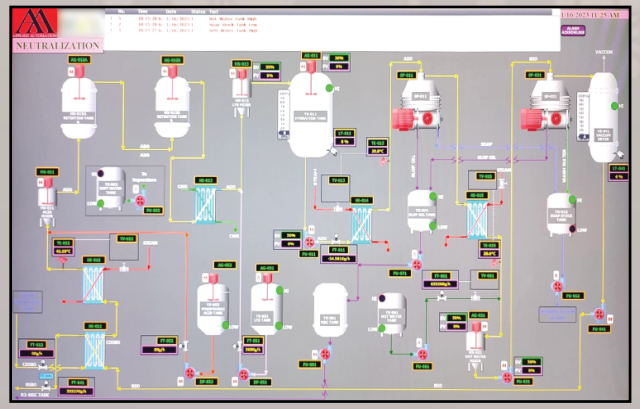


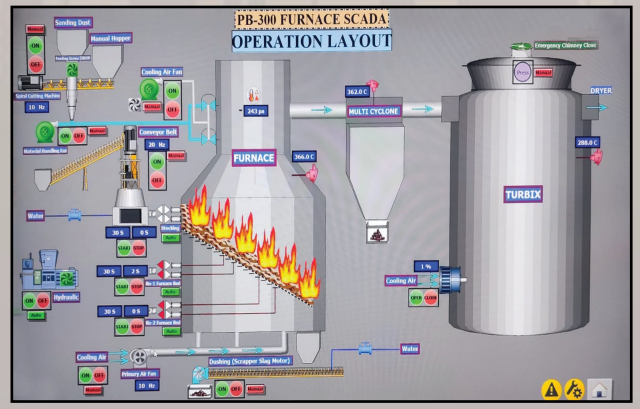












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Work Station: Industrial PC

APPLIED AUTOMATION

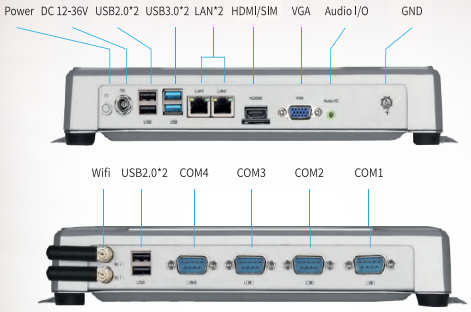
- Compact Shape, Meet a Variety of Installation Methods.
- Ensure Long-term Stable Operation in Harsh Environments.
- Product Designed for Industry, Size: Compact Mini Box.
- Rich Interface, Flexible Expansion, Seamless Installation.

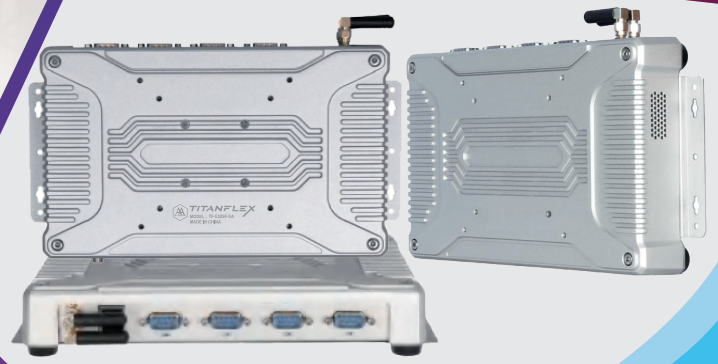
RAM
8/16/32 GB
(Customizable)

CPU
Intel Core: i5/i7
Gen: 9/10/11
(Customizable)

256/512 GB SSD
(Customizable)

Die Cast
Aluminium Body





Windows System

Industrial Dust Proof

Strong Compatibility

Fanless
Heat Dissipation

High & Low
Temperature Resistance

24/7
Operation

TITANFLEX

ISO FC CE RoHS 10

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Work Station: Industrial Panel PC

APPLIED AUTOMATION

TITANFLEX

RAM	CPU						
8/16/32 GB (Customizable)	Intel Core: i5/i7 Gen: 9/10/11 (Customizable)	256/512 GB SSD (Customizable)	Die Cast Aluminium Body	Non-Touch Capacitive Touch Resistive Touch	7" - 21.5" (Customizable)	1024x600 (16:9) To 1920x1080 (16:9)	Thin Bazel Size

- **Moisture and Corrosion Protection**
- **High & Low Temperature Resistant Design**
- **Waterproof & Shockproof**
- **Lightning Protection**
- **EM/EMC Level Anti-interference Standard**
- **Withstand Voltage**
- **Anti-static**
- **Anti-surge**

High and low temperature environment | Humid water droplet environment | Powder and oil pollution environment | Electrostatic environment | EMI environment | Vehicle vibration environment | Voltage instability environment | Outdoor lighting environment

ISO FC CE RoHS 10

- Industrial-grade high standards
- multi-touch modes
- multiple size options
- multi-environment adaptation
- multi-interface expansion
- 7*24H stable operation
- dustproof and waterproof
- professional technical support

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Affordable & Reliable: ODOT!

APPLIED AUTOMATION

Applied Automation is Authorized Distributor for Affordable and Reliable Automation Solutions from ODOT!

AUTHORIZED RESELLER

odot

odot

Distributor Authorization Certificate

Sichuan Odot Automation System Co.,Ltd. certificates that the following company as the authorized distributor of ODOT Automation in Bangladesh

Company: APPLIED AUTOMATION
Address:102/A, kakrail, dhaka-1217, Bangladesh
Tel: +880 1674-351803
Territory: Bangladesh
Period: Jan 1th, 2024 To DEC 31st, 2024
Authorized cooperation range: the distributor could deal with the whole series of products of Sichuan Odot Automation System Co.,Ltd. and provide after-sales service in the authorized territory.

Sichuan Odot Automation System Co., Ltd.
Add: Plant No. 204 MianYang Comprehensive Bonded Zone ,Eastern section of FeiYun Avenue, Mianyang, Sichuan, China
Tel: +86-0816-2538289
Zip Code: 621000
Email:sales@odotautomation.com
Web: www.odotautomation.com

Authorized Signature:
Yonggui Wang, CEO of ODOT Automation

Modbus · Modbus TCP/IP · Modbus RTU · PROFIBUS · PROFINET · CC-Link · CANopen · EtherCAT · EtherNet/IP

We Offer these Products & Many More

ODOT PLC

- Compact Design with Expandable I/O
- Suitable for Multiple Industries
- Seamless Modbus TCP Communication
- Supports Modbus RTU Master/Slave
- Programmable System with IEC61131-3 Standard
- Supports Five Programming Languages

Remote IO

- Ultra-Thin Space-Saving Design
- Fast Wiring with Spring Terminals
- Guide Light Terminal Innovation
- High-Speed 12M CANBUS Backplane
- 64 Digital Modules at 2ms Refresh
- Max 32 I/O Module Capacity

BOX IO

- BOXIO-32/64 with 2/4 I/O Slots
- Multiple Protocol Options Available
- Independent I/O Slot Selection
- 16 Channels Per I/O Module
- LCD Display for Key Information
- Compact and Easy Installation
- Supports Custom DIY Configurations

Industiral Ethernet Switch

- 5-port 10/100Mbps
- 8-port 10/100Mbps
- 16-port 10/100Mbps
- 5-port 10/100/1000Mbps
- 8-port 10/100/1000Mbps

Protocol Converter

- Modbus-RTU to ProfiNet Converter
- 2/4 Serial Modbus to Modbus-TCP Converter
- Modbus-RTU to PROFIBUS-DP Converter
- CANopen to Modbus-TCP Converter
- Serial Gateway Solution
- PPI/MPI/PROFIBUS to Ethernet Interface

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A German Skipper: WAGO!

APPLIED AUTOMATION

Applied Automation is the Authorized System Integrator of WAGO, Germany

AUTHORIZED AUTHORIZED AUTHORIZED

WAGO

WAGO | Authorized Solution Partner

Certificate of Authorization

This is to certify that

Applied Automation

is authorized System Integrator of WAGO Private Limited for the entire automation product range for the period **January 1, 2024 to December 31, 2024.**

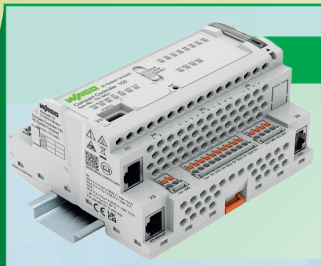
Alok Kishore
Chief Executive Officer
WAGO Private Limited

Sanjay Madhwal
Vice President - Sales & Marketing
WAGO Private Limited

Variety of Communication Protocols, Engineering & Technology

OPC UA · Modbus · PROFINET · docker · BACnet · IO-Link · LINUX · CODESYS V3

All Sorts of Automation Product & Solution from WAGO are Provided by Applied Automation



WAGO PLC

- Programmable with CODESYS V3.5, WAGO-I/O-PRO V2.3 or e!COCKPIT
- Direct connection of WAGO's I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux operating system with RT-Preempt patch
- Configuration via CODESYS, e!COCKPIT or Web-Based Management user interface
- Maintenance-free

IO Module

- Fieldbus-Independent Compatibility
- Wide Range of I/O Modules
- Global Approvals for Worldwide Use
- Comprehensive Accessories Available
- IP20 I/O Systems with CAGE CLAMP
- IP67 I/O Systems for Harsh Environments

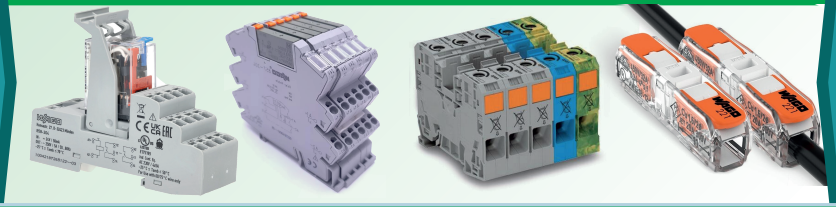
Power Supply

- Core of Automation Solutions
- WAGO Pro 2: Communication-Capable Power Supply
- Eco Series: Tool-Free, Space-Optimized Design
- Compact DIN-Rail Power Supply
- Efficiency Up to 96.3%
- Wide Range of Application Approvals
- CAGE CLAMP® Connection Technology

Ethernet Switch

- Redundant Power Supply Support
- Alarm Configuration via DIP Switches
- SFP Module Compatibility
- Rugged Design with Metal Housing
- Wide Operating Temperature Range
- Power Supply and Port Monitoring

Other Accessories



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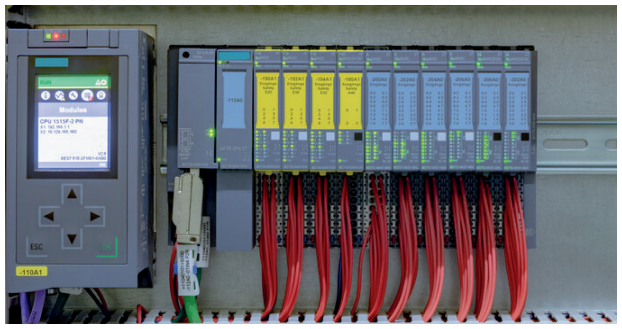
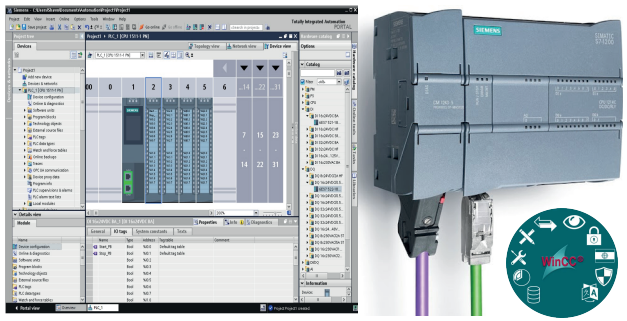
Collaborations with Other Esteemed Brands

APPLIED AUTOMATION





SCADA

SIEMENS PLC, HMI, TIA Portal, WinCC

Schneider Electric PLC, HMI, VFD

MITSUBISHI ELECTRIC PLC, HMI, Servo, VFD

DELTA HMI, PLC, Servo, VFD

FLEXEM HMI, FBox

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Collaborations & Partnerships

APPLIED AUTOMATION

T.K. GROUP

paragon

ওয়াসা

BEOL Bangladesh Edible Oil Limited

Nutan Bidyut (NBBL)

Cummins Jakson

UNITED GROUP

আবুল খায়ের গ্রুপ

JMI

BASHUNDHARA GROUP

Nasir Group

Bangla CAT

HATIL for doors and furniture

GENERAL Pharmaceuticals Ltd.

RENATA

BEXIMCO PHARMA

Healthcare Pharmaceuticals Limited

AKIJ GROUP

SQUARE Food & Beverage Ltd.

SK+F ESKAYEF PHARMACEUTICALS LIMITED

Energypac Engineering

EDISON FOOTWEAR

Unilever

PRAN RFL

BENGAL GROUP OF INDUSTRIES

Meghna Group of Industries

Incepta Pharmaceuticals Ltd

British Bangla Chemical Limited

Quality Feeds Limited

New Asia Group

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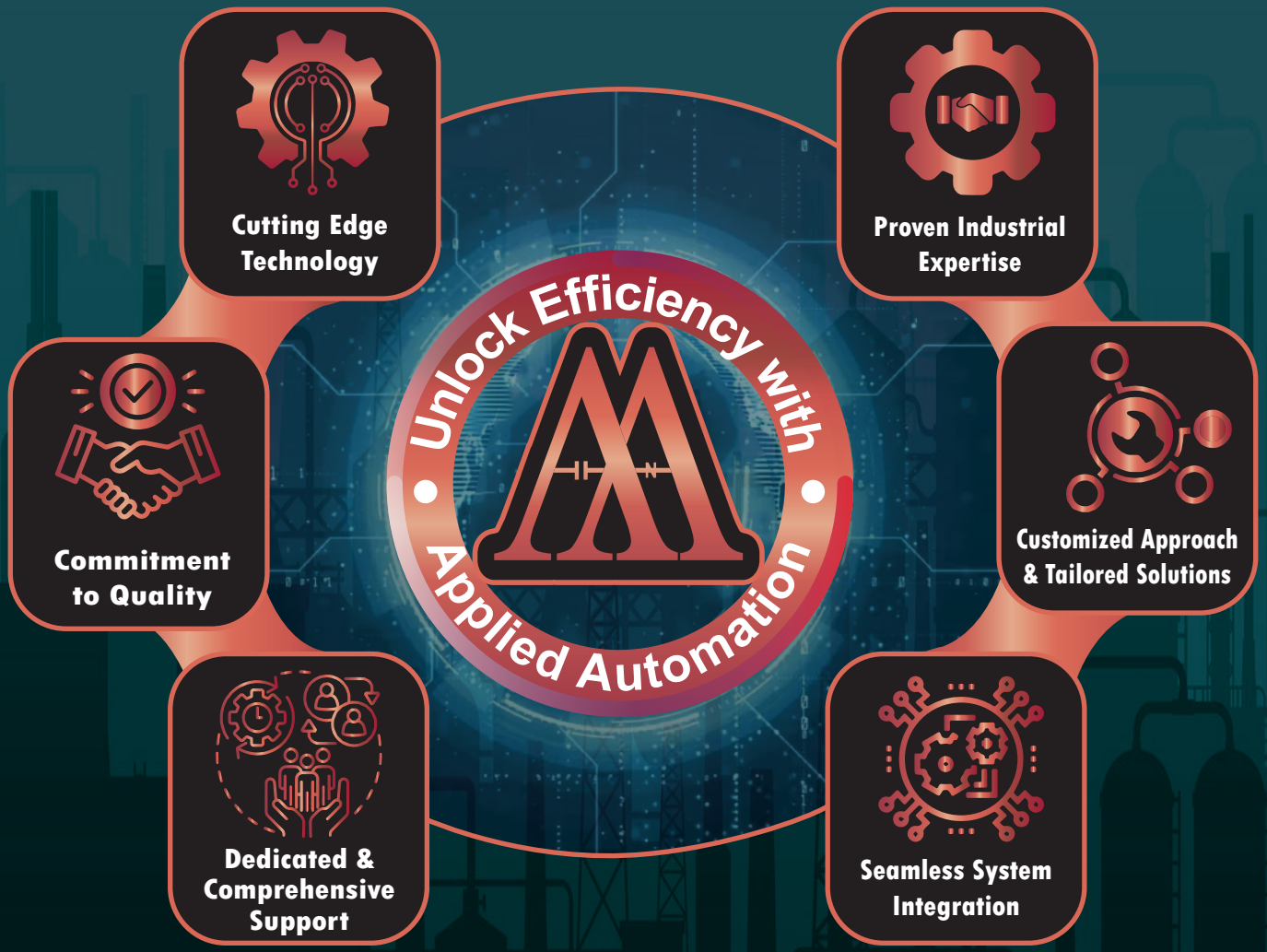

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