

# EA TECH CORPORATION

TECHNOLOGY FOR AUTOMATION & ENGINEERING

"Empowering progress, technology in automation and engineering reshapes industries, optimizing efficiency and driving innovation toward a smarter future."



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At EA Tech, we pride ourselves on being a leading provider of cutting-edge solutions in the fields of Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA) automation, Internet of Things (IoT), home connection materials, and pipe and fittings.

In the era of connectivity, EA Tech is at the forefront of delivering innovative Internet of Things (IoT) solutions. We leverage the power of interconnected devices to provide intelligent and data-driven solutions for businesses and individuals alike.

At EA Tech Corporation, we are committed to excellence. We strive to exceed customer expectations by delivering top-notch products and services. Our customer-centric approach ensures that we understand your unique needs and provide tailored solutions that drive success.

## OUR GOALS



### Goal 1

Establish EA Tech Corporation as a recognized leader in innovation within the automation industry using IOT & AI.



### Goal 2

Achieve and maintain high levels of customer satisfaction by delivering reliable, customized solutions and exceptional service.

# OUR SOLUTION

"Revolutionize water treatment processes with our WTP automation solutions. Harnessing cutting-edge technology, we ensure efficiency, reliability, and sustainability, delivering clean water for a healthier future."



Industrial Automation revolutionizes production processes, employing advanced control systems, machinery, and information technologies. Enhancing efficiency, precision, and safety, it transforms industries, streamlining operations and enabling unprecedented levels of productivity. From manufacturing to logistics, Industrial Automation marks the dawn of a new era, where intelligent systems drive sustainable growth and innovation.



## DMA 24/7 WATER SUPPLY FOR UGR/OGR WITH VFD



DMA 24/7 water supply for Underground Reservoirs (UGR) and Overhead Reservoirs (OGR) with Variable Frequency Drive (VFD) operates continuously, ensuring uninterrupted water distribution. The system utilizes VFD technology to regulate pump speed based on demand, optimizing energy efficiency. Pressure sensors in the District Metered Area (DMA) monitor water levels, triggering automatic adjustments. This intelligent system enhances water supply reliability, reduces energy consumption, and allows for real-time monitoring to ensure efficient water distribution in UGR and OGR.

## DMA 24/7 WATER SUPPLY FOR ESR & UGR

DMA 24/7 water supply, or District Metered Area 24/7 water supply, is a comprehensive water management system designed to ensure a constant and equitable supply of water to consumers within a specified district. This system is particularly beneficial for Elevated Service Reservoirs (ESR) and Underground Reservoirs (UGR). With DMA, water distribution is monitored and controlled through advanced metering and automation technologies.



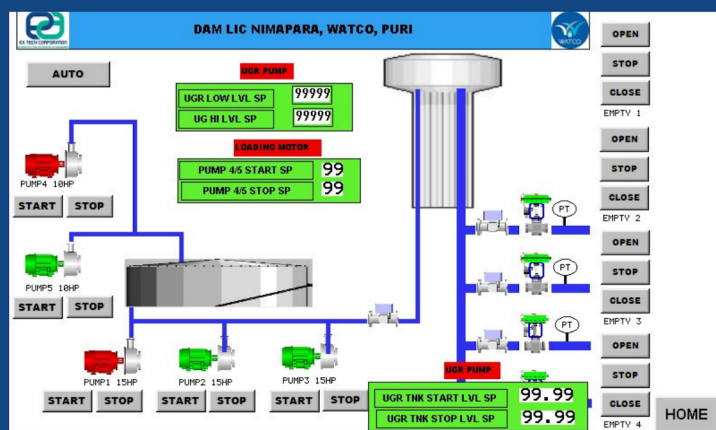
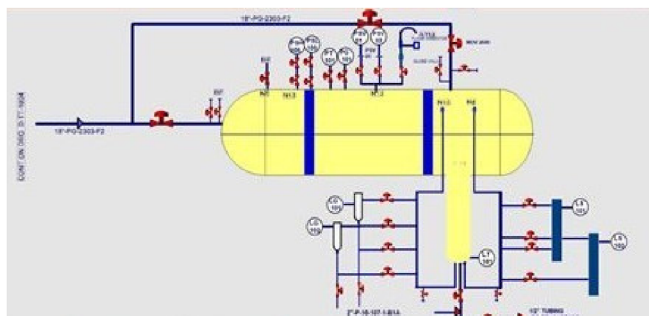
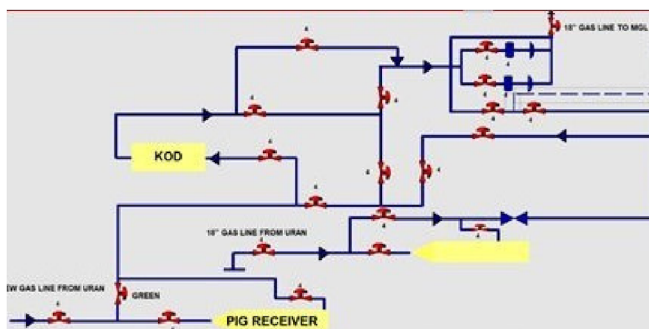
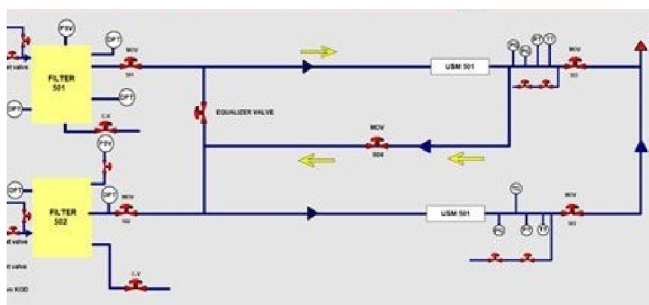
The DMA 24/7 water supply system involves the installation of meters at strategic points within the district, enabling real-time monitoring of water flow and consumption patterns. This data is crucial for identifying leakages, optimizing distribution, and ensuring uninterrupted water supply.

In cases of high water consumption, the system is programmed to alert relevant authorities and stakeholders responsible for water management. This ensures prompt action to address any potential issues such as leaks or excessive demand. The alerts can be sent to water utility officials, local authorities, and even consumers to promote responsible water usage during peak periods.

Implementing DMA 24/7 water supply for ESR and UGR enhances efficiency, reduces water losses, and provides a reliable water supply infrastructure. It empowers water utilities to respond proactively to demand fluctuations, promoting sustainable water management practices.

## SCADA

Water supply systems leverage SCADA (Supervisory Control and Data Acquisition) for advanced monitoring and control. SCADA technology enables centralized supervision of the entire water distribution network. Through sensors and remote terminal units, SCADA continuously collects real-time data on water flow, pressure, and quality. Operators use a graphical interface to monitor this information and can remotely control pumps, valves, and other equipment. SCADA also facilitates rapid response to emergencies or anomalies, optimizing system performance and ensuring efficient water supply management. This integration enhances reliability, reduces downtime, and enables water utilities to proactively address issues, ultimately improving the overall effectiveness of water supply systems.



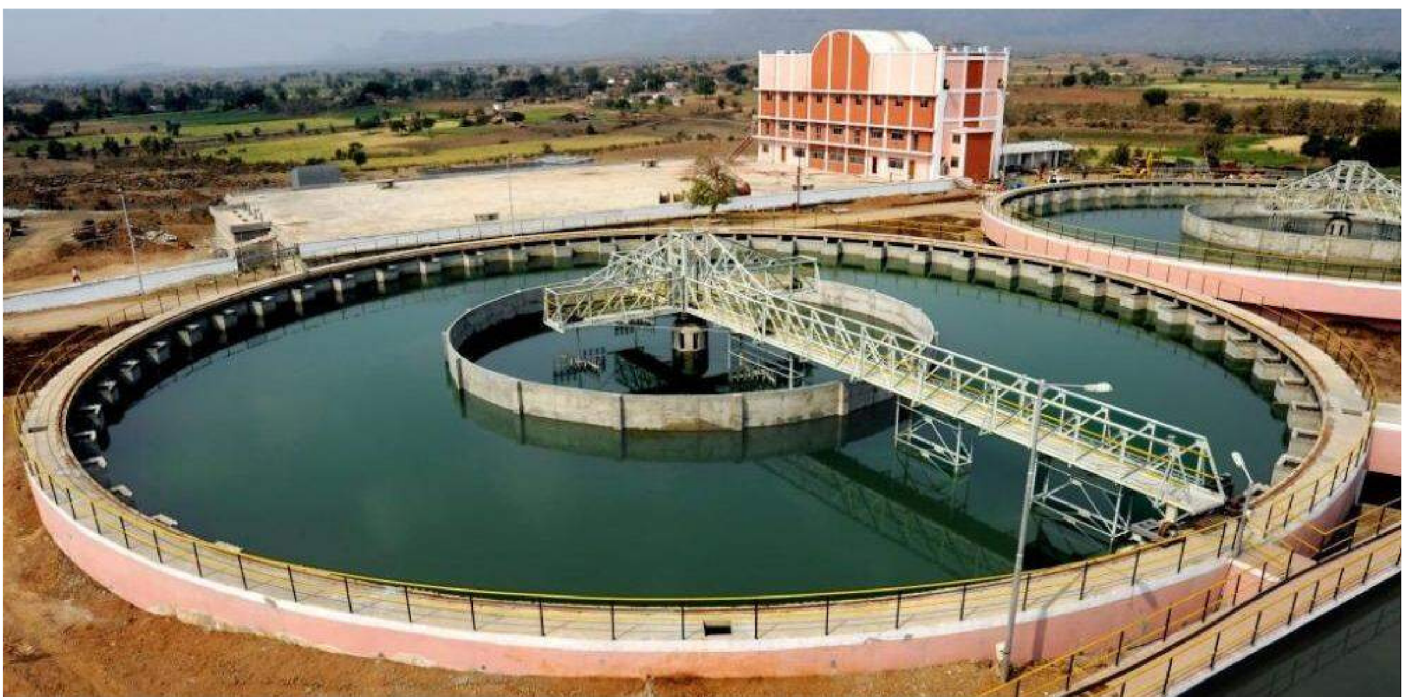
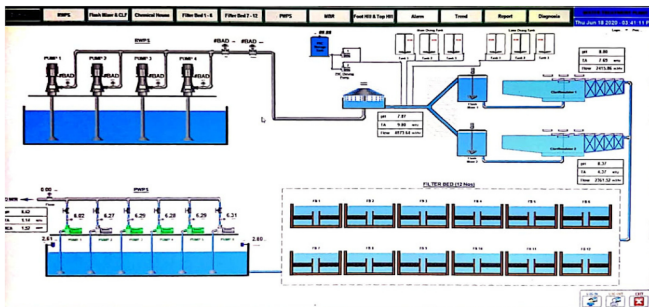
## PLC

Water supply systems utilize Programmable Logic Controllers (PLC) to enhance efficiency and automation. PLCs manage various components of the water supply process, such as pumps, valves, and sensors, ensuring precise control and monitoring. These controllers can automate tasks like water level regulation, pressure control, and flow management. PLCs receive input from sensors and other monitoring devices, making real-time adjustments to maintain optimal operating conditions. Additionally, PLCs facilitate communication between different elements of the water supply network, improving coordination and responsiveness. This integration of PLC technology in water supply systems helps optimize resource usage, reduce energy consumption, and enhance overall reliability in delivering a consistent and quality water supply to consumers.



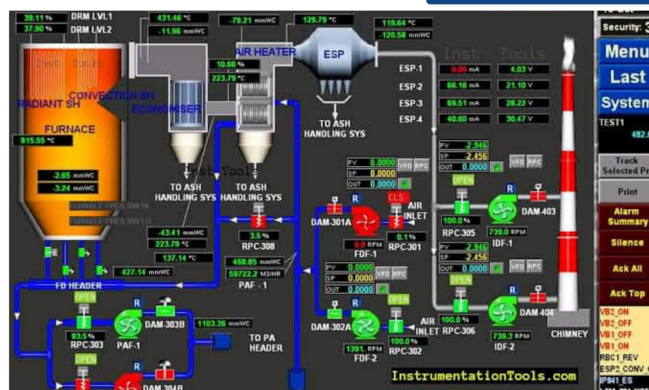
## WTP AUTOMATION

Water Treatment Plant (WTP) automation employs Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems for efficient and reliable operation. PLCs control various processes within the WTP, such as chemical dosing, filtration, and pumping, ensuring precise and automated control. SCADA systems provide a centralized interface for monitoring and managing the entire water treatment process. Operators can visualize real-time data, receive alarms, and remotely control equipment through the SCADA interface. This integration of PLC and SCADA technology enhances the WTP's operational efficiency, reduces manual intervention, and facilitates quick response to changing conditions, ultimately ensuring the production of high-quality treated water.



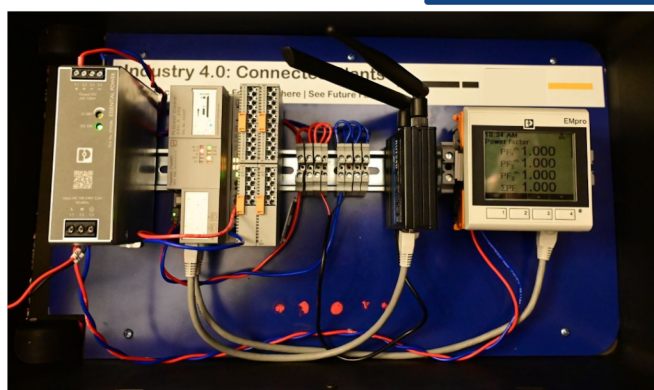
## INDUSTRIAL AUTOMATION\_FURNACE & BOILER

Industrial automation in furnaces and boilers optimizes temperature control, enhances safety, and boosts efficiency in manufacturing processes, ensuring reliability.



## IOT SOLUTION

INDUSTRY 4.0 is a transformative approach, that integrates digital technologies into manufacturing. It emphasizes smart factories, IoT, AI, and data analytics for heightened efficiency, flexibility, and innovation in production processes



## CHLORINE DOSING SYSTEM

The chlorine Dosing System is based on advanced technology and ensures effective chlorine dosing. This chlorine dosing system is known for its easy installation and requirement of less space for accommodation. The chlorine Dosing System doses chlorine into the water to make it pure, safe, and drinkable for human beings. It is equipped with a sensor that automatically measures the diluted chlorine.





Welcome to our comprehensive range of industrial solutions. Our valves ensure precise control in fluid systems, promoting efficiency and reliability. Compression fittings guarantee secure connections, ideal for diverse applications with a focus on durability and ease of use.

Our Pressure Transmitters (PT) and Level Transmitters (LT) provide accurate and real-time monitoring, ensuring optimal performance and safety in industrial processes. The Electromagnetic Flow Meter and Bulk/Woltman Flow Meter showcase cutting-edge technology, delivering unparalleled precision in measuring fluid flow rates. These solutions cater to various industries, offering a holistic approach to fluid management. Trust in our products for quality, innovation, and a commitment to enhancing your operational excellence.



# EA TECH

## FIELD INSTRUMENTS



### PRESSURE TRANSMITTER (PT)

Pressure transmitters (PT) monitor and transmit precise pressure data, facilitating real-time control, ensuring safety, and enhancing efficiency in various industrial applications

MAKE:  Baumer,  WIKAI,  Danfoss, & many more.



### LEVEL TRANSMITTER (LT)

Level transmitters (LT) precisely measure fluid levels, providing real-time data for industrial processes, ensuring accuracy, efficiency, and operational reliability

MAKE: Endress+Hauser  E+H,  KROHNE,  VEGA & many more.



### ELECTROMAGNETIC FLOW METER

Electromagnetic flow meters accurately measure fluid flow rates, offering reliable data for industries, optimizing processes, and ensuring efficiency in operations

MAKE: Endress+Hauser  E+H,  KROHNE,  ABB & many more.



### LEVEL SENSOR/SWITCH

Level sensors/switches monitor fluid levels, ensuring precision in industrial processes, preventing overflows, and optimizing resource usage for efficiency and safety

MAKE:  Techtrol,  Pune Techtrol Private Limited,  Endress+Hauser  E+H,  SBEM & many more.



### BULK / WOLTMAN FLOW METER

Bulk/Woltman flow meters monitor high-volume water usage in industrial settings, ensuring accurate measurement for billing, process control, and conservation.

MAKE:  KRANTI,  UPC,  FLOW COUNT & many more.



### WATER METER

Water meters measure consumption, promoting efficient usage, conserving resources, and enabling fair billing for a sustainable and responsible approach.

MAKE:  Anand Asahi,  KONARAK METERS,  Itron,  TEKSAN & many more.





## TURBIDITY ANALYZER

Turbidity analyzer measures water clarity, providing accurate readings for quality control, ensuring regulatory compliance, and maintaining environmental standards in diverse applications.

MAKE: Endress+Hauser  & many more.



PRESSURE GAUGE



DIAPHRAGM PRESSURE GAUGE

## PRESSURE GAUGE (PG)

Pressure gauge (PG) measures fluid pressure, indicating readings on a dial, aiding in monitoring systems, ensuring safety, and optimizing operations.

MAKE:  **Baumer**  & many more.



## PH ANALYZER

PH analyzer measures acidity/alkalinity, offering accurate readings for industrial processes. Robust, reliable, and essential for quality control and environmental monitoring.

MAKE: Endress+Hauser  ,  & many more.



## CHLORINE ANALYZER

Chlorine analyzers ensure water safety by accurately measuring chlorine levels, maintaining disinfection standards, and safeguarding public health in diverse applications.

MAKE:  , Endress+Hauser  & many more.

# VALVES

Water supply systems rely on valves for effective control and distribution. Valves play a crucial role in regulating the flow of water, enabling precise adjustments to maintain optimal pressure and distribution throughout the network. These valves, such as gate valves, ball valves, and butterfly valves, are strategically placed in pipelines, pumping stations, and distribution points. They allow operators to isolate sections for maintenance, control the flow direction, and manage pressure. The use of valves enhances the overall efficiency of water supply systems, enabling reliable and adaptable control to meet the varying demands of consumers while ensuring the integrity and functionality of the entire water distribution infrastructure.



CONTROL VALVE, DUAL SOLENOID CONTROL,  
REGULATING, PN10/16  
Reduced bore, AISI 304+DI, DN65-300



GATE VALVE (GLANDLESS) PN 10/16, EN 558-2  
S.3/BS, 1.4104 stem, DN 50-300



GLOBE VALVE



NON RETURN VALVE



25MM Ductile Iron PN16 Single Acting  
Double Orifice Air Relief Valve

MAKE:



& many more.

## COMPRESSION & UPVC PIPES FITTINGS (HOUSE CONNECTION)



Both Side Elbow (BSE)



BOTH SIDE ADAPTOR (BSA)



MALE THREADED ELBOW (MTO)



FEMALE THREADED ELBOW (FTO)



MALE THREADED ADAPTOR (MTA)



FEMALE THREADED ADAPTOR (FTA)



COMPOSITE SADDLE



BALL VALVE



PP CLAMP SADDLE



Forged Brass Ferrule



CLAMP Saddle (SS)



CLAMP Saddle (BRASS)



METER BOX



MDPE PIPES



UPVC PIPES & FITTINGS

MAKE:

**Supreme**  
People who know plastics best



**Kaizen Engineering** & many more.



## IRON REMOVAL PLANT

Iron removal plants effectively eliminate iron impurities from water, preventing staining, scaling, and corrosion. With capacities ranging from small residential units to large-scale industrial systems, they ensure clean, quality water.



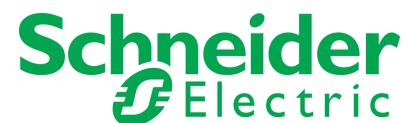
## REVERSE OSMOSIS PLANT

A Reverse Osmosis (RO) plant purifies water by removing impurities through a semi-permeable membrane. Widely used for drinking water treatment, industrial processes, and wastewater purification, RO plants ensure high-quality water supply. Capacities vary from small-scale systems catering to households to large industrial units handling millions of gallons daily, addressing diverse water purification needs efficiently.

**AUTHORIZED DISTRIBUTOR**



**DEALS WITH**







**EA TECH  
CORPORATION**

# GET IN TOUCH



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**THANK  
YOU**