BMS - SCADA - IOT - AI - METAVERSE - ROBOTS IOT

A MORE RELIABLE APPROACH TO CREATING THE PERFECT PLACES.

The comprehensive building automation and smart control systems allows us to perfectly tailor an -automation and control- each project's individual needs Combining electrical and HVAC systems in a comprehensive, multi-discipline approach and designing for reliability.





PARTNERS



SIEMENS

cisco







ORACLE



SECUTRONIC

SCADA IOT METAVERSE

Z ZETA PLATFORM



ZETA PLATFORM SECTORS

TOWERS & HOSPITALS & FACTORIES

WAREHOUSE & SCHOOLS & MALLS

OIL & WATER & ELECTRICAL PLANTS



SECUTRONIC







INCREASE ENERGY EFFICIENCY

INCREASE ENERGY SAVINGS

INCREASE BUILIDING VALUE

FACILITY MANAGEMENT COST

INCREASE SUSTAINABILITY

MAINTENANCE EFFICIENCY

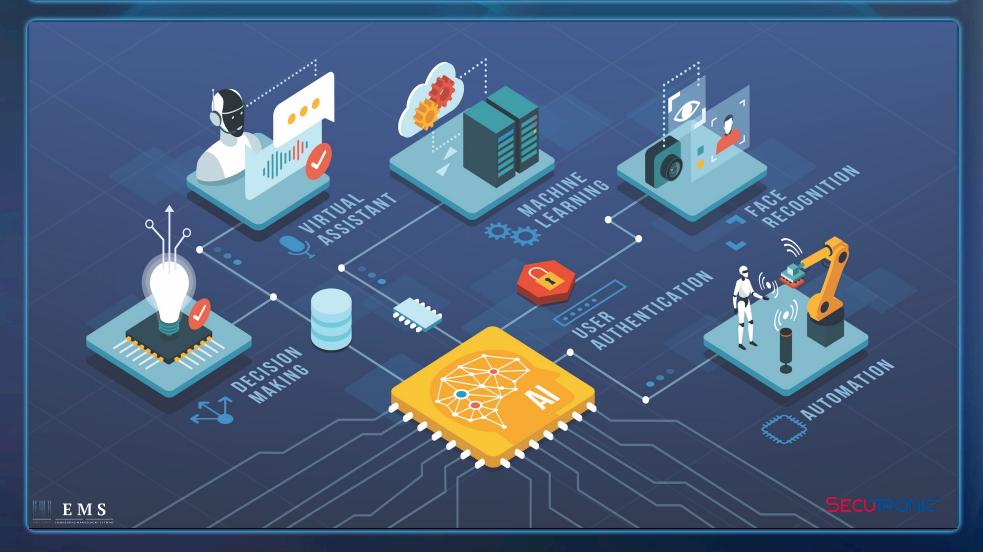




SCADA IOT METAVERSE

Z ZETA
PLATFORM

ROBOTS IOT
Artificial Intelligence



SCADA IOT METAVERSE

Z ZETA

ROBOTS IOT
Artificial Intelligence



Builiding Management Systems - SCADA



Internet of Things



Artificial Intelligence

Private Cloud



Public Cloud



SECUTRONIC



ARTIFICIAL INTELLIGENCE

ZETA PLATFORM

ANALYZE INFORMATION AND DATA FROM THE IOT SYSTEM

ARTIFICIAL INTELLIGENCE REVOLUTIONIZES FACILITIES MANAGEMENT BY STREAMLINING OPERATIONS AND REDUCING COSTS. WITH PREDICTIVE ANALYTICS, WE CAN OPTIMIZE ENERGY USAGE, ANTICIPATE MAINTENANCE NEEDS, AND ENHANCE PRODUCTIVITY. THIS TECHNOLOGY EMPOWERS TEAMS TO MAKE DATA - DRIVEN DECISIONS, ENSURING RESOURCES ARE UTILIZED EFFICIENTLY, ULTIMATELY LEADING



INTERNET OF THINGS - IOT

ZETA PLATFORM

Data Management, Data Collection, Processing and Visualization

THE INTERNET OF THINGS REVOLUTIONIZES OUR INTERACTION WITH TECHNOLOGY. SMART BUILIDING OPTIMIZE ENERGY USE, HEALTHCARE SYSTEMS MONITOR PATIENTS IN REAL-TIME, AND CITIES BECOME MORE EFFICIENT. THIS ENHANCES OUR LIVES, DRIVING INNOVATION AND EFFICIENCY, MINIMIZING THE NEED FOR HUMAN INTERVENTION.

SECUTRONIC



SCADA SYSTEMS

ZETA PLATFORM

CONTROL AND MONITOR ALL THE ELECTROMECHANICAL SYSTEMS

SCADA SYSTEM SERVES AS THE BACKBONE OF OUR ELECTROMECHANICAL OPERATIONS. IT ENABLES REAL-TIME MONITORING AND CONTROL, ENSURING EFFICIENCY AND SAFETY. BY INTEGRATING DATA FROM VARIOUS SENSORS, WE CAN MAKE INFORMED DECISIONS, OPTIMIZE PERFORMANCE, AND ADDRESS ISSUES, ULTIMATELY DRIVING INNOVATION AND RELIABILITY IN OUR INFRASTRUCTURE.



SECUTRONIC



BULIDING MANAGEMENT SYSTEMS

ZETA PLATFORM

CONTROL AND MONITOR ALL THE ELECTROMECHANICAL SYSTEMS

(POWER TRANSFORMER, ELECTRIC BORDERS, LIGHTING, ELEVATORS, VENTILATION, AIR CONDITIONS, WATER TANKS AND PUMPS, FIRE TANKS, PUMPS, GARBAGE, FIRE ALERTS, FIREFIGHTING SYSTEM SECURITY SYSTEMS, ELECTRIC CARS CHARGING UNITS.



SECUTRONIC"















Power House - Qassasen Hospital - Ismailia

SIEMENS

Transformer

Transformer1 Status Running

Transformer2 Status Sta

Transformer 1 Trip Normal

Transformer 2 Trip Normal

Electrical Panels

ELE MDB 1 Status

ELE MDB 1 Alarm

ELE MDB 2 Status

ELE MDB 2 Alarm

ELE EMDB Status

ELE EMDB Alarm

2



Transformer 2

Transformer 1





- 1 Switchgear
- 2 Transformer 1
- 3 Transformer 2

Generator

5 ELE - MDB 1

6 ELE - MDB 2

ELE - EMDB

ELE - ATS

Generator

General - Alarm Normal

Oil Temp Alarm

rm Normal

RPM -- -- Alarm

m Normal

Normal

Engine - Failure

Solar Tank Level Normal



Switchgear Panel

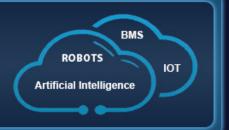
Switchgear Staus

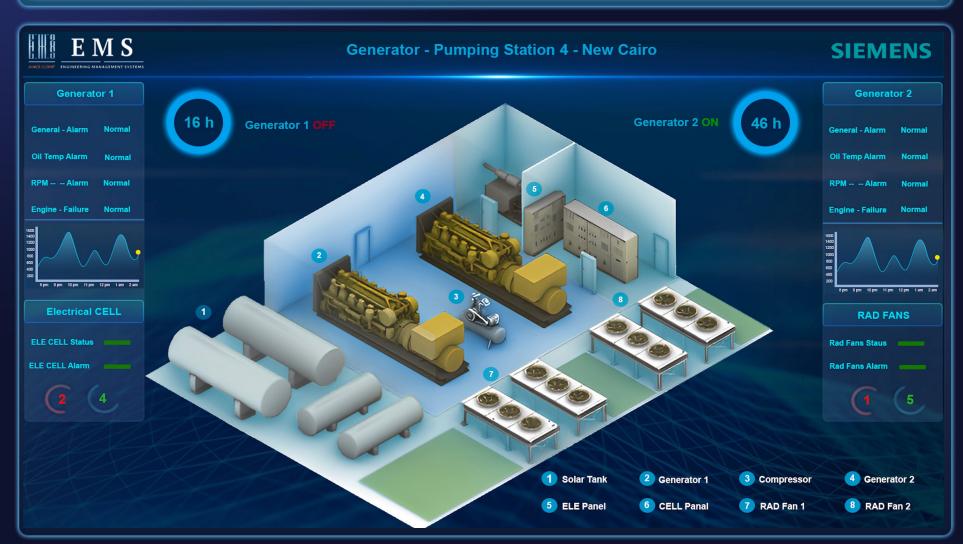
Switchgear Alarm

















Hammer Water - Pumping Station 4 - New Cairo

SIEMENS

Hammer 1

Hammer 1 HH Level

Hammer 1 H Level

Hammer 1 N Level

Hammer 1 L Level

Hammer 1 LL Level

Hammer 1 Solenoide 1 OPEN

Hammer 1 Solenoide 2 OPEN

Hammer 1 Solenoide 3 CLOSED

Compressor 1 Status RUNNING

www.ems-me.com



Hammer 2

Hammer 2 HH Level

Hammer 2 H Level

Hammer 2 N Level

Hammer 2 L Level

Hammer 2 LL Level

Hammer 2 Solenoide 1 OPEN

Hammer 2 Solenoide 2 OPEN

Hammer 2 Solenoide 3 CLOSED

Compressor 2 Status RUNNING

www.ems-me.com

1 Hammer 1





3 Hammer 2



4 Compressor 2

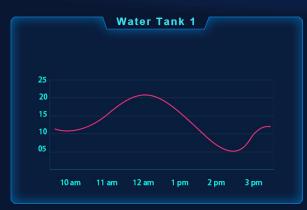






Water Tanks - Pumping Station 4 - New Cairo

SIEMENS





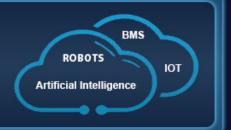














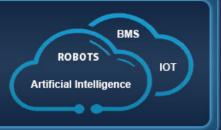












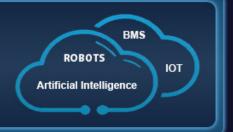












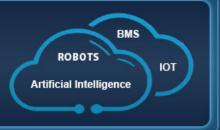








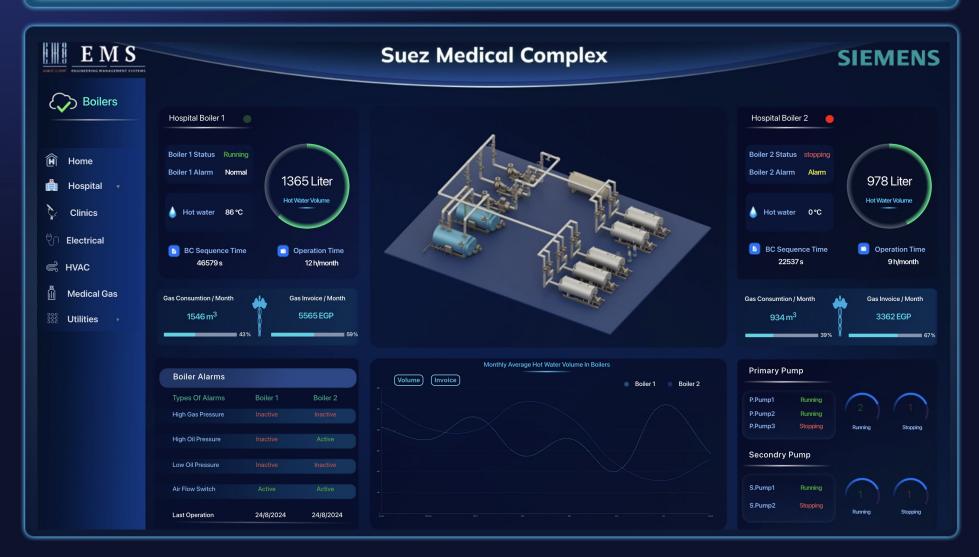




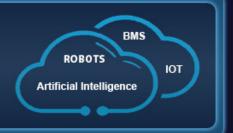














SIEMENS

Pressure -6.6 bar

Pump 3

4.2 bar

56%

Tank 2

Pressure

44%

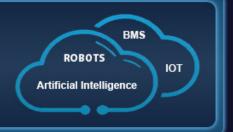
Tank1

6.8

Comperssor3

Dryer2 Status OFF









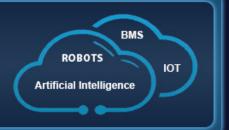
















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