



SYSTECHTM
TOTAL DIGITAL SOLUTIONS

**ENGINEERING
SYSTEMS
TECHNOLOGY**

ENGINEERING SYSTEMS TECHNOLOGY

PROFILE COMPANY @ 2021 SYSTECH

CONTENT

SYSTECH, pioneers in total automation solutions is a system integrator company. It has been established in 2003, and has, since then, successfully accomplished many large, medium and small scale automation projects.

SysTech only hires the best engineers and technicians to provide its customers with the solution that they deserve, whether in the Infrastructure, Industry, Building, Oil and Gas.

SYSTECH is a certified alliance system integrator for Schneider Electric in the area of automation.

Established in Egypt, the heart of the Middle East, SysTech not only serves locally but regionally in the entire Arab World. After proving itself in the Egyptian market, it has expanded noticeably in the neighboring markets in the Arab World. Currently, we are expanded with subsidiaries in the Middle East and Africa.

OUR VISION

is to be the leading digital solution provider in the Middle East and Africa by the year 2030.

OUR MISSION

is to provide our customers with high quality service and full digital solution work at competitive prices and within the time allocated, by combining our high technical skills with the latest available digital technology from Schneider Electric.

We provide solutions in various applications, and serve different sectors including : Airports, Power stations, electrical distribution and Transmission, oil and gas, water/wastewater , production lines, IIOT, Digital Transformation, Asset Management, Asset Performance Analytics, Machine Learning Software and industrial plants.





QUALITY

SYSTECH makes every effort to deliver the highest quality control systems without affecting the environment and by protecting the most valuable asset : health and well-being. It continuously improve business resources and activities through :



1. Use only the finest materials and components to provide the solution.
2. Regularly upgrade of software and hardware infrastructure.
3. Strictly adhere to documented procedures, and their continual improvement in order to ultimately fulfill and exceed customer expectations.
4. Continuously train personnel and acquire new knowledge and skills.
5. Fully comply to all applicable legal and other commitments to which the company subscribes to Prevent accidents and work related illnesses and investigate any incidents that may occur and implement all identified corrective / preventive actions.

OUR SERVICES



OUR SERVICES

SYSTECH provide many services to cover control systems in automations & integration with other systems, our services as below :

1. ENGINEERING SERVICES :

SYSTECH provide engineering service, design, complete solution related to digital solutions with competitive prices. we can provide total digital solution in numerous sectors including :

- ▶ Airports
- ▶ Water/Wastewater Treatment
- ▶ Oil and Gas
- ▶ Production Lines (i.e. Food, Beverage, .. etc)
- ▶ Cement Production
- ▶ Chemical Plants
- ▶ Any other automation extensive application

2. INSTALLATION :

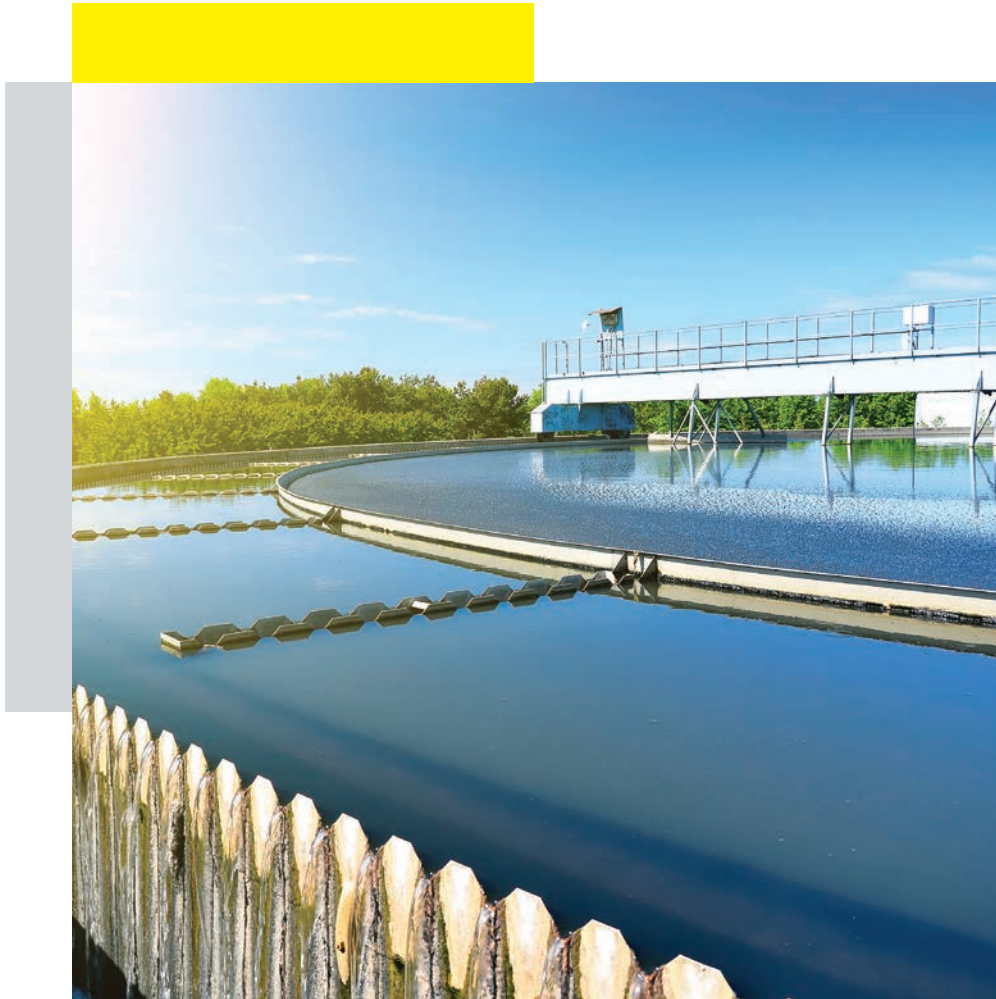
As we provide our clients with the best hardware and software, we also provide them with excellent services in control systems installation. We offer our service carried out by highly skilled and talented professionals having years of hands-on experience.

3. COMMISSION & STARTUP :

SysTech commissioning and startup services move the project to the last step of its execution process. The extensive experience we have through many successful projects guarantee our commissioning procedures in record time.

Startup can be the most dangerous activity before the system becomes operational, however our skilled personnel makes the procedure easy, trouble-free and reliable. Commissioning and startup activities are executed with the help of documented procedure that are regularly updated for completion, clarification and newness.





4. COMPLETE SOLUTION :

SYSTECH provides whatever is needed to make your system work in terms of digitalization. Just define your needs and we can provide you with a complete solution, not only in the terms of equipment versatility but also in service types.

In terms of equipment, SysTech supplies solutions that include PLCs, SCADA, VSD, CCTV, Access Control, IOT, Asset Management, Electrical and control panels, safety devices, etc.

In terms of services, we can provide conceptual designs, detailed designs, shop drawings, programming and customization, commissioning and startup, training, Maintenance and Operation facility.

5. TRAINING :

SYSTECH provide training taught by experienced in digital solutions. we offer courses for Engineers & Technicians, which can help them and develop their knowledge of experiance in digital solutions.

6. MAINTENANCE SERVICES :

We work very closely with our clients so we offer a full range of maintenance service. Our service help in keeping system running with high efficiency and prevent system failures. Maintenance activities are numerous and we include here the major clients in different industries. We can extend our services to 7/24.

7. AFTER SALES SERVICES

SYSTECH stays in touch with the customers even after the projects startup. We provide our customers the necessary support to keep the system running with the best performance that meets their satisfaction.

8. SPARE PARTS :

We are continually carries spare parts for the most of our systems hardware and also provide replacement for obsolete items.



OUR CLIENTS

OUR MAIN CLIENTS



OUR PROJECTS

ABU DHABI INTERNATIONAL AIRPORT

▶	Project Name		ABU DHABI International Airport Midfiled
▶	Customer		ANEL
▶	End User		ADAC
▶	Segment		Electrical Power Monitor and Control System (PMCS)
▶	Country		UAE
▶	Duration		2014 - 2020



▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of **SCADA** & Power Management System (PME) for Medium Voltage (MV) SWGR & Low Voltage (LV) **SWGR** inside the Airport.

▶ Solution Description

Two Control room; each one have redundant Servers & Two workstation to Monitor & Control the following :

- Qty (42) LV SWGR Panel through Qty (39) DCONC Control Panel.
- Qty (930) Sub LV Panel through Qty (219) Remote IO Panel.
- Qty (1500) Power Meter installed inside LV & Sub LV Panels.
- Qty (84) MV SWGR Panel Through Qty (84) MV RTU MiCOM Panel.
- Integration with Exist Siemens SCADA, and BMS System.

NEW HAMAD INTERNATIONAL AIRPORT

➤	Project Name		NEW HAMAD International Airport
➤	Customer		ANEL
➤	End User		NDIA
➤	Segment		Electrical Power Monitor and Control System (PMCS)
➤	Country		QATAR
➤	Duration		2013 - 2018



➤ Scope

Design, Supply, Engineering, configuration, programming and commissioning of Power Monitor & Control System (PMCS) for Low Voltage (LV) **SWGR** inside the Airport.



➤ Solution Description

Two Control room; each one have Single Server & Two workstation to Monitor & Control the following :

- Qty (12) LV SWGR Panel through Qty (6) DCONC Control Panel in Terminal Building A&B.
- Qty (12) LV SWGR Panel through Qty (6) DCONC Control Panel in Terminal Building C.
- Qty (10) LV SWGR Panel through Qty (5) DCONC Control Panel in Emiri Terminal.
- Qty (4) LV SWGR Panel through Qty (2) DCONC Control Panel in Car Park & Mosque.
- Qty (4) LV SWGR Panel through Qty (1) DCONC Control Panel in CP50.
- Qty (4) LV SWGR Panel through Qty (1) DCONC Control Panel in CP51.
- Qty (1100) Power Meter installed inside LV SWGR Panels.
- Integration with BMS System.

TERMINAL II CAIRO INTERNATIONAL AIRPORT

▶	Project Name	TERMINAL II CAIRO Internation Airport
▶	Customer	LIMAK
▶	End User	CAC
▶	Segment	Electrical Power Monitor and Control System (PMCS)
▶	Country	EGYPT
▶	Duration	2014 - 2016

▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of SCADA System for Medium Voltage (MV) SWGR & Low Voltage (LV) SWGR inside the Airport.



▶ Solution Description

Two Control room; each one have Redundant Server & One workstation to Monitor & Control the following :

- Qty (2) LV SWGR Panel and Qty (3) MV SWGR through Qty (1) DCONC Control Panel in Power Plant Building.
- Qty (13) LV SWGR Panel and Qty (1) MV SWGR through Qty (1) DCONC Control Panel in Building C.
- Qty (26) LV SWGR Panel and Qty (2) MV SWGR through Qty (2) DCONC Control Panel in Building B.
- Qty (10) LV SWGR Panel and Qty (1) MV SWGR through Qty (1) DCONC Control Panel in Building A.
- Qty (600) Power Meter & Protection Relays installed inside MV & LV SWGR Panels.
- Integration with Generators, Transformers & UPSs exist in the System.

INTAKE, BOOSTER, PIPELINE & WATER TREATMENT PLANT

▶	Project Name		Intake, Bosster, Pipeline & WATER TREATMENT PLANT
▶	Customer		Orascom/Hassan Allam JV
▶	End User		6th October Authority
▶	Segment		Water & WasteWater
▶	Country		EGYPT
▶	Duration		2011 - 2015

▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of SCADA System for Pumps, Valaves & Instrumentation inside the Plant.



▶ Solution Description

Three Control room; each one have Redundant Server & Three workstation to Monitor & Control the following :

- One (1) Control Panel to Monitor & Control Manually & Automatic of Intake Station.
- One (1) Control Panel to Monitor & Control Manually & Automatic of Booster Station.
- Forty Three (43) Control Panel to Monitor & Control Manually & Automatic of Valve Chambers in Pipeline.
- Six (6) Control Panel to Monitor & Control of Water Treatment Plant include :
 - Treated Area.
 - Common Filtration Area.
 - Chlorination Area.
 - Chemical Area.
 - Inlet Raw Water Area.

KIGALI BULK WATER

▶	Project Name		KIGALI BULK Water
▶	Customer		Metito Overseas
▶	End User		WASAQ
▶	Segment		Water & WasteWater
▶	Country		RWANDA
▶	Duration		2018 - 2020



▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of SCADA System for Pumps, Valves & Instrumentation inside the Plant.

▶ Solution Description

One Control room have Redundant Server & Two workstation to Monitor & Control the following :

- Six (6) Control Panel to Monitor & Control of Wells.
- Ten (10) Filter Control Desk to Monitor & Control Filters.
- Three (3) Control Panel to Monitor & Control of Water Treatment Plant include :
 - Treated Area.
 - Common Filtration Area.
 - Chlorination Area.
 - Chemical Area.
 - Sludge Area.

MAHELMA WATER TREATMENT PLANT

▶	Project Name		MAHELMA WATER Treatment Plant
▶	Customer		Metito Overseas
▶	End User		Algeria Water Authority
▶	Segment		Water & WasteWater
▶	Country		ALGERIA
▶	Duration		2019 - 2020



▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of SCADA System for Pumps, Valves & Instrumentation inside the Plant.

▶ Solution Description

One Control room have Redundant Server & Two workstation to Monitor & Control the following :

- Eight (8) Filter Control Desk to Monitor & Control Filters.
- Six (3) Control Panel to Monitor & Control of Water Treatment Plant include :
 - Treated Area.
 - Common Filtration Area.
 - Chlorination Area.
 - Chemical Area.
 - Sludge Area.

GHANA DATA CENTER

▶	Project Name		GHANA DATA Center
▶	Customer		NESSTRA
▶	End User		Electrical Power Monitor and Control System (PMCS)
▶	Segment		Water & WasteWater
▶	Country		GHANA
▶	Duration		2018



▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of **SCADA** System for Pumps, Valves & Instrumentation inside the Plant.

▶ Solution Description

One Control room have Redundant Server & Two workstation to Monitor & Control the following :

- Eight (8) Filter Control Desk to Monitor & Control Filters.

- Six (3) Control Panel to Monitor & Control of Water Treatment Plant include :

- Treated Area.
- Common Filtration Area.
- Chlorination Area.
- Chemical Area.
- Sludge Area.

CONCRETE BATCHING PLANT

- ▶ Project Name | **CONCRETE** Batching Plant
- ▶ End User | Egyptian company for Pre-stressed Concrete (ECPC)
- ▶ Segment | Industrial
- ▶ Country | **EGYPT**
- ▶ Duration | 2018



▶ Scope

Design, Supply, Engineering, configuration, programming and commissioning of the Concrete Batching Plant Control System for :

▶ Solution Description

One (1) Control Panel with IPC to control & Monitor the Concrete Batching Plant recipes.



OUR CERTIFICATIONS

OUR CERTIFICATIONS





OUR LOCATION

EGYPT

Bavaria Town, Rama Tower, Ring Road, in front of Samaa Towers , Kattamya, Floor 10- Cairo – Egypt

UAE

Unit# 024-4404 Mazzaya Bussiness Avenue BB2
Jumeirah Lake Towers – Dubai – UAE