

References List

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SYSTECH provides whatever is needed to make your system work in terms of automation/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. We provide solutions in various applications, as SCADA, DCS, and Drives, Parking system, Leakage System, Smart Irrigation, Robotics, Instrumentation and Smart Building. These solutions serve different sectors including Water & Waste Water treatment, Airports, Building, Industry and Agriculture. In terms of services, we can provide conceptual designs, detailed designs, shop drawings, programming and customization, commissioning and start-up, Training, Maintenance and Operation facility.

Our previous experience includes the following **major projects** that were conducted by our personnel either directly to the end user or through a main electric contractor. The projects described are limited to the past three years for space consideration, unless the project is of significant size and/or experience value. A detailed description for any of the project cited hereafter can be handed out upon request. Projects are divided into two categories:

1. **System Design and implementation:** The scope of our team included the preparation of bids, the design of the system and the commissioning and startup of the project. For most of the projects, equipment was supplied by our team.
2. **Maintenance Activities:** The scope was the maintenance of existing automation equipment.

1. System Design and Implementation

1.1. Airports

1. Design, Engineering, configuration, programming and commissioning of the power management system for **Abu Dhabi International, Abu Dhabi-AUE, 2014-2020**
2. Design, Engineering, configuration, programming and commissioning of the Backup Approach & testing Center for **New Doha International, Doha-Qatar, 2008-2015**
3. Design, Engineering, configuration, programming and commissioning of the power management system for **Cairo International Airport, Terminal Building II Renovation Project Cairo-Egypt, 2016**
4. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, CP50, Doha-Qatar, 2014**
5. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, CP51, Doha-Qatar, 2014**
6. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, Terminal Building A, Doha-Qatar, 2013**
7. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, Terminal Building B, Doha-Qatar, 2013**
8. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, Terminal Building C, Doha-Qatar, 2013**
9. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, Car Park and Mosque, Doha-Qatar, 2013**
10. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, Emiri Terminal, Doha-Qatar, 2013**

11. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, IBF, Doha-Qatar, 2013**
12. Design, Engineering, configuration, programming and commissioning of the power management system for **Renovation of PMCS of ASWAN International Airport, ASWAN- Egypt, 2011**
13. Design, Engineering, configuration, programming and commissioning of the power management system for **Renovation SCADA system of LUXURE International Airport, LUXURE- Egypt, 2010-2011**
14. Design, Engineering, configuration, programming and commissioning of the power management system for **Cairo International Airport, Terminal Building II Renovation Project Cairo-Egypt, 2009-2010**
15. Design, Engineering, configuration, programming and commissioning of the power management system for **New Enfidah Zine El Abdine Ben Ali International Airport, Enfidah Tunisia, 2009-2010**
16. Design, Engineering, configuration, programming and commissioning of the power management system for **New Doha International, UPS system, Doha-Qatar, 2013**
17. Design, Engineering, configuration, programming and commissioning of the power management system for **Cairo International Airport, Terminal Building III, Cairo-Egypt, 2006-2008**
18. Design, Engineering, configuration, programming and commissioning of the Chiller Pumps MCC for **Cairo International Airport, Terminal Building III, Cairo-Egypt, 2007-2008**
19. Design, Engineering, configuration, programming and commissioning of the Fuel Hydrant Pumps MCC for **Cairo International Airport, Terminal Building III, Cairo-Egypt, 2007-2008**
20. Commissioning and startup of the lighting control and supervisory system for **Luxor Airport, Luxor-Egypt, 2005**
21. Commissioning and startup of the electrical distribution control and supervisory system for **Luxor Airport, Luxor-Egypt, 2005**

1.2. Water and Waste-Water

1. Design, Engineering, configuration, programming and control and supervisory system for **Mansoura -1 Filtration Plant, Egypt, in Progress**
2. Design, Engineering, configuration, programming and control and supervisory system for **Mostakbal City Booster, Egypt, in Progress**
3. Design, Engineering, configuration, programming and control and supervisory system for **Ekhiwa WWTP, Egypt, in Progress**
4. Design, Engineering, configuration, programming and control and supervisory system for **Monshaat Radwan WWTP, Egypt, in Progress**
5. Design, Engineering, configuration, programming and control and supervisory system for **Monshaat Naser - Badr WWTP, Egypt, in Progress**
6. Design, Engineering, configuration, programming and control and supervisory system for **Toshka irrigation Pumping Stations – Phase 2, Egypt, 2021**
7. Design, Engineering, configuration, programming and control and supervisory system for **Toshka irrigation Pumping Stations – Phase 1, Egypt, 2020-2021**
8. Design, Engineering, configuration, programming and control and supervisory system for **Mahelma WTP, Algeria, 2021**
9. Design, Engineering, configuration, programming and control and supervisory system for **Oud Numer WTP, Algeria, 2021**
10. Design, Engineering, configuration, programming and control and supervisory system for **Kom Ashfeen WTP, Cairo- Egypt, 2020**

11. Design, Engineering, configuration, programming and control and supervisory system for **Badr Booster, Cairo- Egypt, in progress**
12. Design, Engineering, configuration, programming and control and supervisory system for **Marshada, Helfay & Salmaya, Cairo- Egypt, in progress**
13. Design, Engineering, configuration, programming and control and supervisory system for **El Mahala WTP, Cairo- Egypt, 2020**
14. Design, Engineering, configuration, programming and control and supervisory system for **Shotob STP, Cairo- Egypt, in progress**
15. Design, Engineering, configuration, programming and control and supervisory system for **El Tebbin WTP, Cairo- Egypt, in progress**
16. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **SOHAG WTP, Cairo- Egypt, in progress**
17. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Taboot WWTP, Cairo- Egypt, in progress**
18. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Tandof, WTP, Algeria-Tandouf, in 2016**
19. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **6th October Intake, WTP, Cairo-Egypt, in 2016**
20. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Foustat WTP, Egypt – Cairo, in 2016**
21. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **6th October Intake, Boosters and Valve chambers, Cairo-Egypt, in 2016**
22. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Skikda WWTP, Algeria – Skikda, in 2015**
23. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Touggourt RO, Algeria - Touggourt, 2014**
24. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **KISSIR WTP, Algeria - Kissir, 2012**
25. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **New Mina intake pumping station, New Mina-Egypt, 2012**
26. Design, Engineering, configuration, programming and commissioning control and supervisory system for **Madinty City Irrigation Water Pumping, Cairo- Egypt,2010**
27. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Madinty City Boosters, Cairo- Egypt,2010**
28. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Madinty City Temporary Water Pumping, Cairo- Egypt,2010**
29. Design, Engineering, configuration, programming and commissioning of **the central mimic display for El Obour water treatment plant and its pumping stations, El Obour City-Egypt, 2006-2008**
30. Engineering, programming and commissioning of control and supervisory system for **Sekkak Barrage, Oran-Algeria, 2007**
31. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Desalination Plant in Stella De Marie Resort, Suez – Egypt, 2007**
32. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Khalda El Salam Water Treatment Plant, Alexandria – Egypt, 2007**
33. Design, engineering, configuration, programming and commissioning of control and Design, Engineering, configuration, programming and commissioning of control and supervisory system for **the Carols Resort Project Desalination plant, Hurghada-Egypt, 2005**

34. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **the Carols Resort Project Waste water treatment plant, HurghadaEgypt, 2005**
35. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **El-Obour water treatment plant Phase III, El Obour City-Egypt, 2005**
36. supervisory system for **the water pumping station number 2 in Cairo International Airport, 2003**

1.3.Industrial

1. Design, Engineering, configuration, programming and commissioning of **the control for Africa in the Port of Alexandria, 2015.**
2. Design, Engineering, configuration, programming and commissioning of **the C14 concrete batching plant for Egyptian company for Pre-stressed Concrete (ECPC) in 10th of Ramadan city, 2008.**
3. Design, Engineering, configuration, programming and commissioning of **the control and electrical subsystems for Anti Biotic packing Machine, Medical Union Company, IsmaelyiaEgypt, 2007**
4. Design, Engineering, configuration, programming and commissioning of **the power management system in Alexandria Mineral Oil Co., Alexandria-Egypt, 2007**
5. Design, Engineering, configuration, programming and commissioning of **the Primary concrete batching plant for Egyptian company for Pre-stressed Concrete (ECPC) in 10th of Ramadan city, 2007.**
6. Design, Engineering, configuration, programming and commissioning of **the Metro concrete batching plant for Egyptian company for Pre-stressed Concrete (ECPC) in 10th of Ramadan city, 2006.**
7. Design, Engineering, configuration, programming and commissioning of **the chiller MCC for climate control, Medical Union Company, Ismaelyia-Egypt, 2006**
8. Design, Engineering, configuration, programming and commissioning of **the vacuum and hot water pumps for the utility department for the Pirelli Tire Factory, Alexandria-Egypt, 2005**
9. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Starch production machine in the Starch and Glucose Co, Moustorod-Egypt, 2004**
10. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **Medical powder filling machine, Medical Union Company, Ismaelyia-Egypt, 2004**
11. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **a tire construction machine for the El Nakl and Handasa Co., Alexandria-Egypt, 2004**
12. Design, Engineering, configuration, programming and commissioning of control and supervisory system for **the vacuum and hot water pumping station for the utility department for the El Nakl and Handasa Co., Alexandria-Egypt, 2004**
13. Design, Engineering, configuration, programming and commissioning of **a supervisory control system for the production line of Technopack Co., 6th of October – Egypt, 2004**
14. Design, engineering, configuration, programming and commissioning of control and supervisory system for a reinforced pipe making machine for **the Egyptian company for Prestressed Concrete (ECPC) in 10th of Ramadan city, 2003.**

1.4.Other sectors

1. Design, Engineering, configuration, programming and commissioning of the power management system for **the New Satellite Project at Hike Step ,Egypt, , 2018**
2. Design, Engineering, configuration, programming and commissioning of the power management system for **Data Center ,Ghana, , 2018**
3. Design, Engineering, configuration, programming and commissioning for the upgrade of the power management system for **El Nasr Petroleum Company (NPC), Suez- Egypt, 2016**

4. Design, Engineering, configuration, programming and commissioning of the power management system for **Toshiba Al-Araby PMCS , Cairo- Egypt,2010-2011**
5. Design, Engineering, configuration, programming and commissioning of the power management system for **El Tebbin Power Generation Plant, Cairo- Egypt,2010**
6. Design, Engineering, configuration, programming and commissioning of the power management system for **El Nasr Petroleum Company (NPC), Suez- Egypt, 2006-2007**
7. Design, engineering, configuration, programming and commissioning of the electrical distribution automation and SCADA systems in four sites with central monitoring. **All sites are owned by the Egyptian Republic Presidency, 2003**

2. Maintenance Activities

Maintenance activities are numerous and we include here the major clients in different industries:

1. Cairo Airport Terminal 2 – PMCS
2. Cairo Airport Terminal 3 – PMCS
3. Aswan Airport – PMCS
4. Luxor Airport – PMCS and Lighting
5. Sugar and Integrated Industries Company
6. Hima Plastic for plastic recycling
7. NileKordSa, for fabric production
8. Dr. Greishe, for glass making
9. Water/waste water treatment plants
10. Egyptian Underground Authority
11. Nestle for dairy products
12. Al Ezz for Steel bar production
13. El Nasr for steel casting, for pipe and valves production
14. Eastern Tobacco Company, for Tobacco and cigarettes production
15. El Nasr Petroleum Company
16. Cairo Conrad hotel
17. Quena Paper Company
18. Toshiba El Araby factory in Benha
19. Technopack – Tagleef plant in 6th of October City – Egypt
20. Ideal Standard Plant in 10th of Ramadan City
21. Road and Bridges Company – Khartoum, Sudan