

Holds a B. Sc. in Communications & Electronics Engineering and has about 15 years hands-on experience, including 14 years working as Instrumentation & DCS Engineer at Abu Qir Steam Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/03/1980
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Alexandria University, 2002
: Secondary Education: El-Nasr Boys Language School (EBS), Alexandria, 1997

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: V-Basic
: Oracle
: GFX SW
: Networks
: Pioneer Hardware

TRAINING COURSES AND CERTIFICATIONS

: Leadership & Management Preparatory course, Abu Qir Power Plant Training Center (2 weeks in 2016).
: Advanced Access, Abu Qir Power Plant Training Center (2 weeks in 2015).
: Introduction to Oracle/SQL, Abu Qir Power Plant Training Center (2 weeks in 2012).

- : AutoCAD, Abu Qir Power Plant Training Center (2 weeks in 2007).
- : Microsoft Visual Basic 6, Abu Qir Power Plant Training Center (2 weeks in 2006).
- : Cisco CCNA Course (self study) (8 weeks in 2003).
- : GSM Mobile System Survey, Ericson, Cairo (2 weeks in 2002).
- : Traveled to the USA during 3 summer vacations during college (whole summer 1999, 2000, 2001), worked in a food stand on a grill and ended up as a Manager of 5 people in one of the store branches.
- : Mastered MS DOS in 1996.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2004 till now
- Employer** : WDEPC
- Project** : Abu Qir Steam Power Plant
- Job title** : Instrumentation & DCS Engineer
- Job Description** :
- Maintenance of Total Plant Solution (TPS) DCS Control System, Honeywell:
 - Responsible of persistence of the DCS system software (TPS R620) for 4x150MW Steam Units, including addition of new tags, modifying existing tags, modifying and designing control and logic points.
 - Responsible of modifying operator graphics using GUS Display Builder software.
 - Responsible of maintaining the DCS cables for data networks (LCN and UCN), processors (HPMMs and PM 1/0 processors), interface and field-termination cards, LCN-e Extender Switches, as well as the Ethernet network connecting all the PCs/Printers. Fully aware of various types of LCN nodes including Hiway Gateways (HG), Network Interface Modules (NIM), History Modules (HM), GUS and APP nodes and non-PC Application Module (AM).
 - Responsible of performing regular system data backups, including High Performance Process Manager data, History Module data and modified graphics.
 - Responsible of maintenance and troubleshooting of OPC Server Application (APP) nodes linking Honeywell TPS to GE Mark VI Turbine Control System. Familiar with the techniques how GE Mark VI and GE Bentley Nevada sub-systems are linked to Honeywell TPS.
 - Achievements:
 - Accomplished a full History Module (HM) recovery on a brand new SCSI hard drive from the local market. Performed hard drive format, initialization and data restore.
 - Succeeded in repairing a major LCN cable problem which caused entire system instability for weeks, using the technique of surrounding the source of problem.
 - Attempted a successful installation of OPC Server Application node PC after a whole system failure.
 - Attempted an installation of Process History Database (PHD R150)

Server PC after a system failure.

- Accomplished a full installation of a GUS node PC on a normal PC (non-standard Honeywell hardware) from the local market with a non-SCSI hard drive and CD-ROM.
- Participated in the design and modification of an internal upgrade of system graphics using GUS Display Builder software to add more than 200 new help graphics for all equipment for Units 1-4.
- Composed and Published a full 120 page manual for Honeywell History Module (HM) in Arabic, which includes detailed information plus tips and tricks about setting up a whole new HM (including Pre-format, Format, Initialization, Restore or Synchronization steps), as well as correctly backing up and restoring a working HM.
- Lead a team of 3 persons for 1 whole week in 2014 to cooperate with Abu Sultan Power Plant, East Delta Production Co. which has the same Honeywell TPS System to help them solve a problem setting up some system PCs from scratch on a non-standard Honeywell hardware.
- Attended a non-official training in Abu Sultan Power Plant for 3 days on Honeywell Experion-TPS System after their migration from Honeywell TPS to Experion-TPS in 2015.
- Attended on-site partial TPS-to-Experion Honeywell upgrade in 2016 in for 3 weeks, which was carried out by Honeywell Egypt alongside an expert from Turkey to migrate from old HM to Single-Board HM (SBHM), and upgrade old faulty PHD (R150) to new PHD System (R320) for Units 1-4, acting as a preliminary phase before migrating to full Experion-TPS. Assisted Honeywell commissioning team in the following:
 - ❖ Installation of new PHD software on new Dell T320 servers for both PHD Buffers and Shadow Server, based on Windows 2008 Server R2.
 - ❖ Preparation and Installation of 4 PHD Collectors (APP nodes) based on Dell GX200 and Windows 2000 WS which act as a gateway between LCN and PHD Buffers.
 - ❖ Installation of Uniformance Process Studio (UPS) Software on Buffers (Using Virtual Machine Software VMWare based on Windows 7).
 - ❖ Database Engineering to build new PHD SQL database from old Access database and by extracting tags from TPS.
 - ❖ Database testing, system start-up and post-startup troubleshooting and fine tuning.
 - ❖ Dismantling of old HM hardware, and installation of new SBHM hardware, as well as data migration (Backup and Restore).
 - ❖ Attended 2 days on-site training on new PHD System held by the Turkish expert (Ahmet Seker). Fully aware of new PHD system structure, adding new points, exporting and importing database, monitoring and troubleshooting system.
- Totally familiar with Honeywell's new Experion DCS System. Involved in the talks that took place for more than 3 years between Honeywell Egypt and Abu Qir to start a phase-by-phase system upgrade to full Experion (Phase 1 just started in 2016 as mentioned). Attended many Honeywell-organized seminars about Experion System.

- Lead a small team of 2 persons for more than 7 years.
- Maintenance of ALSPA P320 DCS Data Acquisition System, Alstom:
 - Responsible of maintenance of 300MW Unit DCS Data Acquisition System which interfaces to the unit's boiler and turbine control systems to give a GUI output for monitoring.
 - Attended on-site system modernization in 2007 for 3 weeks, including commissioning and start-up.
 - Assisted in the hardware and software installation and wiring, the start-up tests, as well as the system launch.
 - Attended a professional training in Alstom headquarters in Paris, France for three weeks.
 - Responsible of performing all system modifications, adding new tags, editing current tags and modifying system graphics as well as troubleshooting of system hardware and cabling.
- Maintenance of 4x150MW Water Treatment Unit System Network: Responsible of maintenance and troubleshooting of system network, PCs and software of AQ plant WTU running Siemens S7.
- Maintenance of all PCs software!hardware and networks for all 5 Units + Auxiliary Systems: Responsible of maintenance and troubleshooting of more than 60 PCs running various OS, HW and SW, more than 10 various standard/specialized networks and more than 20 printer types.

Dates : From 2003 till 2004

Employer : FIRST Engineering & Software Systems, Cairo

Job title : Software Implementation Engineer

Job Description :

- Implementing the company's exclusive maintenance management software (CMMS) at the client's sites, after a full equipment database collection and analysis.
- Participated in implementing company's software at WEPCO Abu Qir onshore/offshore gas field site, as a member of 3-engineer team, performing commissioning and start-up. Built a Microsoft Excel database for more than 1,500 equipment. Worked on-site in this project for one whole year.
- Compiled a full CMMS software English manual from scratch containing more than 100 pages.