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DCS Specialist

Holds a B. Sc. in Electronics Engineering (Computers & Control Systems) and has over 17 years' experience working as DCS Engineer, Control Engineer and Control Room Operator.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	22/02/1985
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently Iraq

EDUCATION

: B. Sc. in Electronics Engineering (Computers & Control Systems), Mansoura University, 2006

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Ovation Software Applications OV215.
: Instrumentation and calibration.
: Generator Protection.
: MS PROJECT Projects Plan and Management software.
: MS Office package software.
: PEP PLC operation and Programming using ISAGRAF software.
: Gas Power Station Operation and its Equipment.
: Programming languages (C#, VB.net, Java) (self study).
: SIEMENS V94.3A Gas turbine operation using simulator (on-job training), MDEPC (2010).
: Maintenance of Gas turbine unit controls, Middle Delta Electricity Production Co. (2009).
: Protection system of gas turbine unit, Middle Delta Electricity Production Co. (2009).
: Operation of HRSG & steam turbine using simulator (on-job training).

: Training course in security of power plants.

: Summer trainings in Middle Delta Electricity Production Co. (2004 & 2005).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2024 till now
Employer : Bonatti Oil & Gas
Project : PPG O&M Projects Client ENI & ZFOD (Zubair Field Operating Division), IRAQ (PPG O&M Projects 4*175 Gas Turbine ALSTOM GT13E2 with ALASPA 6 DCS)
Job title : DCS Specialist

Dates : From Dec. 2022 till Apr. 2024
Employer : SPM Oil & Gas (A Caterpillar Company)
Project : PPG O&M Projects Client ENI & ZFOD (Zubair Field Operating Division), IRAQ (PPG O&M Projects 4*175 Gas Turbine ALSTOM GT13E2 with ALASPA 6 DCS)
Job title : DCS Specialist

Dates : From Mar. 2019 till Dec. 2022
Employer : Middle Delta Electricity Production Company
Project : New Talkha 750MW Combined Cycle Power Station
(SIEMENS Gas turbines, T3000 control system - CMI Heat recovery steam generator HRSG, Emerson Ovation 3.8 control system - Alstom steam turbine (ALSPA P320 TGC SYSTEM Retrofit to OVATION 3.8))
Job title : Senior Control Engineer

Dates : From Nov. 2010 till Mar. 2019
Employer : Middle Delta Electricity Production Company
Project : New Talkha 750MW Combined Cycle Power Station
(SIEMENS Gas turbines, T3000 control system - CMI Heat recovery steam generator HRSG, Emerson Ovation 3.8 control system - Alstom steam turbine (ALSPA P320 TGC SYSTEM Retrofit to OVATION 3.8))
Job title : Control Engineer

Dates : From Mar. 2007 till Nov. 2010
Employer : Middle Delta Electricity Production Company
Project : New Talkha 750MW Combined Cycle Power Station
(SIEMENS Gas turbines, T3000 control system - CMI Heat recovery steam generator HRSG, Emerson Ovation 3.8 control system - Alstom steam turbine (ALSPA P320 TGC SYSTEM Retrofit to OVATION 3.8))
Job title : Control Room Operator

Field of experience :

- DCS Engineer:
  - Participate with Emerson for HRSG control system upgrade from Ovation 2.4 to Ovation 3.8.
  - Participating with Emerson team for the retrofit of Steam turbine

control system from ALSPA to Ovation 3.8 also water treatment plant including install new controllers and configure it, device check, Function test, Loop test, SAT, and start up.

- Good with communication fieldbus protocols (Modbus, profibus, tcp/ip, OPC, HART).
- Highly skilled using Ovation 3.8 software package to troubleshoot and Modify the system (add new points, add new I/Os, configure new controllers, replace defect control system parts and configure it).
- Responsible for troubleshooting instrumentation and problem-solving, loop check of the settings and functions – EMERSON (Ovation DCS).
- Diagnosis, Calibration and Spare parts - Replacement for valves (Electric, Pneumatic and Hydraulic) - Transmitters (Pressure, Temperature, Level ...) and some other sensors related to the equipment.
- Execute and monitor the maintenance activities of the instrumentation and control equipment in the assigned area, assign resources, estimate and initiate procurement of the operational and strategic spares with the objective to ensure reliability, quality and to carry out responsibilities relevant to the role specified in the Company's Safety, Environment, Quality policies and procedures.
- Arrange resources, schedule and control the routine, preventive overhauls and emergency maintenance, in order to efficiently and safely complete all the activities well within the allocated period of outage.
- Monitor parameters of running machines, trouble shoot and derive effective solutions to equipment problems, make myself available during emergencies round the clock, in order to ensure the continuous and safe operation of the plant machinery.
- Update, maintain records, and generate reports related to the maintenance work.
- Ensure implementation of health and Safety policies and directives to health and safety at work places. Follow and adhere to the HSE Management System Manual as per safety standards.
- Identify spares/tools/test equipment requirement for the year and initiate procurement in order to ensure their availability during overhauls and emergency maintenance and thereby ensuring the quality and timely completion of work.
- Preparation of Annual Budgets (Tools – Spare Parts).
- Assist Purchase Department in specification of items for purchase, spare parts details and other day-to-day jobs, as and when required.
- Investigate the possibilities of improvement in the process in line with the strategic target.
- Explore possibility of improvement in maintenance quality, safety, man-hours spent and cost effectiveness.
- Train & Develop employees working in the section to meet the departmental objectives.
- Experience in Allen Bradley Controllogix 5000 PLC with RS Logix 5000, Triconex Safety System.
- Experience in Siemens S7 300/400.
- Troubleshoot and Fix fire and gas protection system.

- Control Room Operator:
  - Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
  - Performing the unit startups and shutdowns per assigned targets.
  - Diagnose and resolve day-to-day operational problems.
  - Perform high/medium voltage switching operations.
  - Observe and records data for instrumentation located through the facility.
  - Monitor readings for variations from prescribed operating standards
  - Record operation and maintenance actions taken during shift.
  - Report and correct unsafe conditions or hazards to shift supervisors.
  - Respond to alarms and malfunction of plant operations.
  - Assist in shutdown and startup procedures.
  - Take hourly and shift checks or running equipment to ensure proper operating level.
  - Open and close valves and switches in sequence as needed.