

Holds a B. Sc. in Mechanical Power Engineering and has more than 34 years experience working in construction, design, maintenance, operation, piping and planning.

PERSONAL DATA

Nationality : Egyptian / American
Birth Date : 02/12/1963
Gender : Male
Residence : Currently USA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 1988

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2022 till now
Job title : Freelance Consultant
Job Description : Following the Covid-19 Pandemic, I worked from home on consulting services for electric power generation design systems and operation procedures.

Dates : From May 2018 till Dec. 2021
Employer : Bechtel Nuclear
Project : Vogtle 3 and 4 Nuclear Construction, Waynesboro GA - USA
Job title : Mechanical Engineer Planner
Job Description :

- Initiate and prepare mechanical system work packages according to the schedule, identify the System structure and components required for a Work Package.
- Communicate effectively with field engineers, Craft and Design Engineers to close open items between Design and Field Documents to be implemented in the Work Package technical data list.

Dates : From Dec. 2014 till Mar. 2018
Employer : Power Engineering Service CO. (PESCO), Cairo - Egypt
Job title : Mechanical Consultant Engineer
Job Description :

- Provide consultation services as needed basis for engineering and construction management and start-up activities for steam and combined cycle power plants.
- Prepare technical specification and procurement packages for plant equipment supply and installation procedure including contract forms, general and special conditions, and instruction to tenderers, the specifications shall contain sufficient details for competitive tendering.
- Provide procurement services including technical and commercial bid evaluations of proposals from equipment suppliers and provide recommendation for award.
- Provide project engineering services and support project construction activities.

Dates : From Oct. 2012 till Aug. 2014
Employer : Bechtel Power
Project : Watts Bar Unit Nuclear construction completion project, Spring City, TN - USA
Job title : Hydrostatic Test Field Engineer
Job Description :

- Plan the hydrostatic test package and perform the test according to ASME piping section III requirement.
- Coordinate with authorized nuclear inspector (ANI), NRC resident engineer for witnessing and accepting and approving of the test packages.
- System restoration Plan, perform and repair piping base metal evaluation package of ASME piping class 1, 2 and 3 and component.
- Perform system completion walkdown and initiate system punch list and follow up with various disciplines to close the punch list item.

Dates : From Dec. 2009 till Sep. 2012
Employer : PGESCO Bechtel Partner in Egypt
Project : Abu Qir Units 6 & 7 Thermal Power Plant 2x750MW, Alexandria - Egypt
Job title : Lead Mechanical Construction Engineer
Job Description :

- Lead a group of 10 Mechanical Engineers to manage, plan and resolve contractors' conflicts and tackle design engineering vs construction issues.
- Oversee the contractor's package for lump sum project and insure the implementation of the contract package specifications Verify contractors' invoices, review and approve RFI, FCN and FCR.
- Initiate the punch list for each system and track the weekly completion list before system turnover to the start-up group.

Dates : From Mar. 2006 till Jun. 2009
Employer : Bechtel Power, Frederick MD - USA
Job title : Mechanical Design Engineer

Job Description :

- Prepare contract package specification for Steam Generator and Auxiliary equipment for lump sum projects, Calculate the pipe sizing and pipe thickness for different systems according to the heat and water balance data.
- Prepare Turkey Point 6 & 7 Final Safety Analysis Report (FSAR), Prepare environmental report (ER) for combined operation license application (COLA) for NRC review and approval for Westinghouse AP 1000 Reactor certified design.

Dates : From Jun. 2004 till Feb. 2006

Employer : PGESCO Bechtel Partner in Egypt

Project : Nubaria Combined Cycle Power Plant 2x750MW

Job title : Piping Field Engineer

Job Description :

- Install all underground piping system, wrapping, insulation, cathodic protection and testing.
- Welding inspection and DI penetrant test.
- Install critical piping and perform NDE testing.
- Material receiving and storage according to vendor manual and recommendation.
- Prepare the hydro test package and approve and sign the test.

Dates : From Mar. 2001 till Feb. 2004

Employer : PGESCO Operation & Maintenance Company

Project : El-Kureimat Units 1 & 2 Thermal Power Plant 2x650MW

Job title : Mechanical Maintenance Engineer

Job Description :

- Perform preventive and scheduled maintenance for 3000 ton/hr steam generator and its auxiliary equipment.
- Initiate work orders and get operation personal approval for repair work.
- Prepare and plan outage work according to the load center schedule outage date.
- Order outage and preventive maintenance spare parts and initiate material requisition.

Dates : From Oct. 1988 till Feb. 1998

Employer : Egyptian for Fishing and Fishing Equipment Company, Alexandria

Job title : Mechanical Operation & Maintenance Engineer

Job Description :

- Maintenance & Operation Engineer for fishing ships, responsible for operate and maintain the ship diesel engine, fishing's cranes equipments, and cooling and refrigerating system during the fishing trip and annual outage maintenance.
- Onshore maintenance operation management and spare part and equipment coordinator.