

Curriculum Vitae

NAME: HAIF MAAMAR

DISCIPLINE: FSE Control and E&I

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Short Bio :

I have more than 20 years of experience with a variety of construction projects (installation, commissioning, startup, troubleshooting, Maintenance, Overhauls of gas turbines and Centrifugal compressor+ antisurge Valve) as an TFA Control and E&I Construction Specialist.

Education Information:

- ❖ Baccalaureate in Electrical engineering
 - Date : juin 1991
- ❖ university Degree, Date: 1995septembre
 - Nameandplace of university: University of science and technology Oran-Algeria.

Subject combination: instrumentation & control

- ❖ Naftogas institute,Date 2006
 - Nameand place of institute: naftogaz institute hassi massaoud-algeria .
- subject combination:maintenance gas turbine.

Certification

- Environment; Health; safety (EHS) with IAP
- Hazard and Operability (HAZOP) with DNV and IAP

Training:

- Training with GE about speedtronic MKV ;MKVI ;MK6e
- Training with GE about instrument & control of GasTurbines HDGT and aerodirivative .
- Training with GE about centrifugal compressor and anti surge (instrument& control)
- Training with FOXBORO about "PLC" triconex (ESD)

Languages spoken and Ability:

- 1 Arabic
- 2 English
- 3 French

Professional Experience (skills):

- MKV; MKVI ; MKVle Controls (GE speedtronic)
- manages controls activities on site during the Installation & Commissioning and Maintenance of turbines ; Centrifugal compressor .
- Shut down and turnarounds of boosting , re-injection station (the scheduled shutdown, preventive maintenance, renovations, or upgrades)
- Interpretation of P&IDs (piping and installation drawings), general engineering drawings and controls schematics.
- Experience with Gas Turbine Driver Control Systems and Auxiliary Systems
- Experience on MarkVI, Mark V, MKVle Control (**troubleshooting,problem solving and repair or replacement of defective parts**)
- **Experience of maintenance (Major Inspection; Combustion Inspection ;HPGI)/troubleshooting of Gas turbines and Centrifugal compressor**
- Strong analytic, organizational and problem-solving skills
- Provide general knowledge of turbine instrumentation (fitted & calibration), including various types of smart transmitters.
- I have extensive experience in Maintenance/installation project (gas turbines; centrifuge compressor) and associated auxiliary equipment.
- Supervise of site activities such as labor, tool and technical assistants as required to complete the work scope.
- **Leadfield modifications/sparesreplacement as per approved changes**
- Control software: Ideally including GE, Bentley Nevada.
- Plc triconex ESD ; plc Schneider Tsx21/22.
- Foxboro DCS Field & marshlling
- Compressor and Gas Turbine performance and operation and Maintenance
- strong knowledge to Centrifugal Compressors & Anti-Surge Valve (Nuovo Pignone).
- Extensive knowledge operating , philosophy and auxiliary system of heavy-duty gas turbine frame 5 (MS 5002 B,C,D), frame 6 and frame3 (MS 3002J).
- Extensive knowledge of controls systems philosophy within a gas Plant environment including Operating Systems, Networking and Serial Interfaces (DCS; PLC fire and gas; Bentley Nevada).
- Exceptional overall technical knowledge of turbines, compressors, instrumentation, test equipment, and test procedures.
- Pre-commissioning, commissioning, and start-up practical experience.
- Installation, calibration, and loop checking of the field Smart instruments (Emerson Rosemount, ABB, Endress & Hauser, Bentley Nevada, Honeywell,yokogawa, Foxboro,.....)
- Experienced in flowmeters configuring(electromagnetic, orifice plate, ultrasonic, turbine, variable area)
- Experienced in smart Positioners fitted&configuring (SVI II, TZIDC200,.)
- Maintenance and calibration of the control valves (pneumatic, NRV, MOV)
- Maintenance and calibration of Servo valves (moog valve)
- Review of control philosophy, P&I diagrams, cause &effect diagrams, instruments list, flow chart, E&I hook-up
- Familiar with engineering standards ISA, IEEE, ASTM, NAMUR, ASMI , ANSI , NEMA, IEC

- Technical Support for the instrumentation team
- Experience in Inspection and expediting
 - Other duties may be assigned or requested.

Organizational Experience:

**** **Organization** (Services Operation and Maintenance) (GE/Baker Hughes):

Designation: Controls FSE (field services engineer) and E & I supervisor (Vendor)

Duration: Start February 2017 to March 2021.

Responsibilities:

Instruments & electrical HOOK UP; loop check; pre-commissioning; commissioning (cause-effect diagram) & start up

Preparation of as built markup drawing in Process engineering flow scheme/loop drawing/JB connection drawing

Projects Description: new projects and upgrade revamping projects

- ✓ Turbo-compressor frame5 (5002D) with control system MKVIe
- ✓ Turbo-generator frame 6(6001B) with control system MKVIe
- ✓ Turbo compressor frame3 (MS3002J) with control system upgrade MKVIe.
- ✓ Modification consol synthetic oil (hard+ soft) of PGT25; LM2500 with control system MK6.
- ✓ Modular Exchange of 3 centrifugal compressor with 2 Antisurge Valve + MS5002D with Upgrade Control system MKVI6e.

Customers (projects)

✚ Scogat/Sergaz Eni
Country of assignment: **Tunisia**

✚ CPECC Algiers refinery
Country of assignment: Algiers refinery **Algeria**

✚ JGC boosting project 3
SONATRACH DIVISION PRODUCTION
Country of assignment: **Algeria**

✚ Agip +Sonatrach, BRN/Hassi massaoud.
Country of assignment: **Algeria**

✚ BANAGAS (Bahrein national gas company)
Modular Exchange of a hitachi MS 3002 J GT with an MS3002J GT by GE.
Control System Upgrade to MK6e.
Country of assignment: **Bahrein**

***Compressors Station: (Project); phase2:

❖ **Designation:** supervisor ELC & Instrumentation (Customer)

❖ **Contractor** (company name): ABB/sarpi

❖ **Organization** (Customer): sonatrach

❖ **Duration:** From 07/2010 to 07/2012

❖ **Responsibilities:**

- Installation and Calibration and Loop Checking of Instruments during project
- Pre-commissioning, commissioning and Start up
- Involved with Vendor in Installation and powering up Speedtronic panel MKVI and toolbox+Cimlicity HMI
- Interface and provide clarification and guidance and technical support to construction team (field instrumentation), resolving the technical issues with construction contractors & different package vendor
- Participate in Packages instrumentation FAT/SAT
- Pressure/flow/level Field Instrumentation I & C work, MKVI, DCS and Field ESD switch performance and cause & effect checking work
- Reviewing and commenting P&IDs, specification data sheet, control philosophy, Cause & Effect diagrams, Logic diagrams, Process control diagrams, & vendor drawings. Instrument Index, Cable Schedules, Connection List, DCS /ESD, PLC documents like IO list/ allocation, Marshalling wiring diagrams
- Involved in Installation and configuration of Foxboro DCS, Triconex ESD, F & G (GE fanuc) systems , Installation and powering up of Control panel cabinets of DCS/ESD & F&G

Projects Description: New project

Bossting project (installation& pre-commissioning, commissioning of 6 Turbo-compressor)

6X5002C gas turbine

6XBCL606 Centrifugal Compressor

6X MKVI TMR Panel

***Compressors Station (gas turbine): Maintenance

❖ **Designation:** instrumentation& control Technical field advisor (TFA)

❖ **Organization:** Sonatrach

❖ **Duration:** From 06/2005 to 06/2010
and From 08/2012 to 12/ 2016

Responsibilities:

- Troubleshooting & loop check and start up gas turbine (MKV& MKVI).
- Field instruments (Pressure, Level, flow, temperature) Preventive, breakdown, shutdown, condition based maintenance and troubleshooting work
- Gas turbine maintenance (monthly - annual - overhaul)
- Shut down and turnarounds of boosting , re-injection station (the scheduled shutdown, preventive maintenance, renovations, or upgrades)
- More than 20 (CI; HGP; MI) Overhauls gas turbine HDGT
- Gas compressor and turbine Bentley Nevada Vibration probe Installation, checking work by TK-3 and software with Rack 3500
- preparing over speed test for HP and lp shaft for frame5
- Upgrade and install new cards for MKV and MKVI
- download and upload program for optimization or troubleshooting for MKV,MKVI GE Speedtronic: MKVI PANEL, MKV; MKVIe
- BCL compressor Instrumentation, Vibration (Bentley Nevada rack 3500), troubleshooting& loop check and start up
- Install New cards and download the configuration for MK5& MK6
- Install New cards (VCMI & VSVO;...) and download the configuration
- Install& calibration new servo valve and LVDT
- Upgrade CSP; IOcfg and download the configuration for GE MKV system for more protection
- Improved simplicity hmi animation for help the operator control room.
- Maintenance and troubleshooting work for Package Instrumentation, Foxboro DCS , PLC GE fanuc 30/90, and ESD System
- Attend Day to Day Maintenance meeting With Operation dept. for resolving the issues and In Equipment instrumentation related part solve as early as possible. Co-ordination with other Dept for Job execution

*** Compressors Station: (Project); phase1

- ❖ **Designation:** supervisor instrument (Customer)
- ❖ **Contractor** (Company Name): JGC/GTP (Vendor: GE/NP)
- ❖ **Organization** : Sonatrach hassi r'mel
- ❖ **Duration:** From 02/2003 To 02/2005

Projects Description: New project

Bossting project (installation& pre-commissioning, commissioning of :
9 Turbo- compressors

9X5002C gas turbine

9XBCL603 Centrifugal Compressor

9X MKV TMR Panel (GE equipment)

Responsibilities:

- Supervisor instrument& control :
 - I. Fitted & calibration of instruments (instruments/electrical HOOK-UP)
 - II. Involved in Installation and powering up Panel MKV (GE System) and

TCI+Cimplicity HMI
 - III. pre-commissioning, commissioning of 5002C gas turbine and BCL 603 Centrifugal compressor + antisurge Valve
 - IV. Participate in DCS & Packages instrumentation FAT/SAT
 - V. Pressure/flow/level Field Instrumentation I & C work, MKV, DCS and Field ESD switch performance and cause & effect checking work

 - VI. Involved in Installation and configuration of Foxboro DCS, Triconex ESD, F & G (GE fanuc) systems , Installation and powering up of Control panel cabinets of DCS/ESD & F&G.

 - VII. Reviewing and commenting P&IDs, specification data sheet, control philosophy, Cause & Effect diagrams, Logic diagrams, Process control diagrams, & vendor drawings. Instrument Index, Cable Schedules, Connection List, DCS /ESD, PLC documents like IO list/ allocation, Marshalling wiring diagrams.
- project JGC +Sonatrach /boosting phase1

*** Water Treatment Station: (biorefineries): Project

- ❖ Position Held: supervisor instrument (contractor)
- ❖ Contractor (company name): GTP/ Sonatrach
- ❖ Organization: SH/DP Sonatrach
- ❖ Service Period: From 01/2001 to 01/2003

Responsibilities:

- Installation and Calibration and Loop Checking of Instruments during project.
- organizing, integrating and direction of resources such as labor, tools and materials as required to complete the work scope .
- Co-ordination with client/consultant/contractor throughout the entire Projects development phase, Attending meetings.
- Coordinates with operations and safety personnel to obtain work permit for planned work to be carried out during Commissioning Stage.
- Read and interpret drawings extracting relevant instrument engineering information required for fitted, Pre -commissioning and Commissioning.