

***Curriculum vitae***

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## ***Degree of studies***

1. Diplôme of applied university studies ***(DEUA)*** in Electrotechnic option Electrical grid at university of ***ANNABA/ALGERIA***
2. Bac in math cession 1990 (Algeria)
3. Professional certificate in the center of trainning of AIN M’LILA for the post main technician lead driven ***ST/GT*** from 23/01/1999 till 03/05/2000 during 17 months

## ***TRAINNING COURSES PROFESSIONAL***

1—Certificat of trainning on combined cycle operation single shaft 3\*409 MW (GT 9FB/ST A16/HSRG-DOOSAN) with **GENERAL ELECTRIQUE** at BELFORT **in**

french from 11/12/2011 till 24/11/2011 for the putting on of the power plant of Koudiet Eddraouch in Algeria 3\*400 MW and to transfer it key in hand to the customer SKD (the customer) and training on all BOP (desalination system, station of demin water;electrochloration station and station to product H2).

1. -Certificate of training on operation combined cycle single shaft ***3X409*** MW turbine ***GT 9FB/ST 15A*** from 06/09/2009 till 10/09/2009 during 30 hours /05 days, the formation Is Liven up by ***GENERAL ELECTRIC*** on the account of ***SNC\_LAVALIN***
2. - Training on steam turbine A15 from 03/08/2009 till 13/08/2009 the formation Is Liven up by ***GENERAL ELECTRIC*** on the account of ***SNC\_LAVALIN***
3. -Training on the ***MARK IVe*** during 05 days.
4. -Training on ***HRSG*** recovery boiler *with* DOOSAN during 07 days
5. -Advanced trainning courses in the center of training of ***SONELGAZ*** of ***BLIDA*** on the following themes:

-Electric safety (Security) ***HT/MT/BT*** from 10/03/2001 till 14/03/2001

-Technological protection on ***steam turbine and gaz turbine*** from 15/09/2001 till 19/19/2001

1. -Training on electric safety with AREVA
2. - Training on LOG OUT and TAG OUT(LOTO) with all this company GE,SNC- LAVALIN,AOM Algeria and national society (SONELGAZ)during my career of experience.

## ***WORK EXPERIENCE***

***-****lead operation with General electrique in power plant 1400 Mw in Algeria from 1 November 2020 until the current time*

October 2020 untill 30 November 2020:

Operation Advisor with GEAT (Consultant) in the site of NAAMA CCPP 1200MW HRSG(BHI) GT 09FA ST (A10) combined cycle multishaft with aerocondenser.

-Prepare the operation procedure to the customer for apprabation

-Training the customer in all system (ST.GT.HRSG.BOP) on DCS/locally.

-Develop customer knowledge and support them in order to operate the power plant.

JANUARY 2019 UNTIL MAY 31th 2020:

Lead operation in power plant cycle simple445 mw with general electric (commissioning power plant)

-Prepare the unit for different tests (first turning gear, first start, first crank, first fire and the different protection tests by emergency button, false ignition test, FSNL,overspeed test ,first synchronisation,dummy synch test,test of redundancy of controllers MARK IVe,island mode, load rejection, fast load, MSSI and MSI).

-Instruct the operators of GE and customers to operate the units in very safe conditions.

- Make sure to apply the LOTO procedures

-Ensure the training of customer according to manufacturer's procedures

-Training of the customer's personal on the all BOP (gas station, compressed air station, BLACK START and the different starting mode (AUTO.BLACK OUT and test mode), GIS and fire fighting system.

# **February 2013 until December 2018 (09 outage EBI/HGPI/CI):**

1. Shift supervisor combined cycle 1200 MW at Algeria with AOM company koudiet Eddrawach (HRSG (DOOSAN) ST A16 / TG 9FB) (3\*410 MW) with all BOP (desalination water,demin water;hydrogen station,electrochloration station).
2. follow the punch list of the customer's

# **October 2011 until January 2013:**

1-Operation manager with General Electric for the start-up (commissioning) of the combined cycle 3\*409 (HRSG (DOOSAN) / TV A16 / TG 9FB) with all BOP since 01/08/2012 to 03/02/2013 and ensure the following tasks:

-Walk down on all GE / Iberdrola systems and check the conformity of PID on all systems and report all anomalies and repair them

-Flushing lube oil circuit and hydraulic oil circuit according to flushing procedure

-Maintain HRSG under nitrogen during extended stoppages as recommended by DOOSAN (dry and wet conservation of HRSG)

-Check the functions of the control room, TG and TV emergency push buttons as well as the fire protection and CO2 protection SANCO system on all compartments

-verify the proper operation of all electrical systems as well as the electrical transfer on all electric busbar and between the units on different voltage low voltage BT, medium voltage MT and EGD on each unit and the availability of diesel blacks starts

-Check and prepare the unit before the first fire until the synchronization on the electrical grid

-Check and prepare the unit before and during each start and stop under normal operating conditions until the end of all tests with a minimum of trip

-Ensuring the transfer phase of the unit to the client after the MSSI

-Ensure the training of the client's operators and giving help during the operations and the different problems

-Attend with the HRSG chemical cleaning team and check PH cleaning parameters, cationic conductivity and water color

-Prepare the unit before each start of the steam blow step by step and check the impact of the particles on the sacrificial anodes according to the steam blow procedure before going on another steps

# **May 2008 until 2011 :**

1. Shift supervisor combine cycle ***(3X409 MW*)** in power plant with ***SNC\_LAVALIN*** Inc at ***TIPAZA*** from 01/01/2010 until 5/10/2011and all BOP (reverse osmose for desalination water and demin water)
2. Operator ***DCS*** in combined cycle ***(3X409 MW*)** power plant with ***SNC\_LAVALIN*** Inc at ***TIPAZA*** from 15/05/2008 untill 31/12/2009
3. Walk down during the construction of the power plant of ***HADJRET ENNNOUS***

*with start-up team of GE*

1. Member of project commissioning team to start the different equipments BOP(balance of plant) like desalination water/demin water,auxillary boiler in order to flushing the different pipes of steam (steam blows),gaz station, flushing circuit of lube oil and hydraulic system
2. Electrical ability on different electrical operation (isolation/de-isolation) ***400 KV/18.5KV/6kv/400V/250V/125V*** since work with sonelgaz and with ***SNC LAVALIN*** *and AOM company*
3. Good experience in electrical operations (LOTO) in different voltages 400kv-18kv- 6.6kv-400v-125vcc
4. Good knowledge in electrical protection and logic interlocks electrical of different Voltage ***HT/MT/BT***.

# **September 2007 to May 2008 :**

Training on Operation Power Plant combined cycle multishaft at Skikda 2X400 MW (each unit Gas Turbine GE 9FA 250 MW, Steam Turbine Alstom 180 MW, HRSG Alstom, GIS 400 KV AREVA, Mark 6, DCS P320).

# **July 2000 to September 2007 :**

Leader of block at the power plant steam turbine with ***SONELGAZ*** at ***ANNABA (1X75 MW et 1X55 MW***) and Gaz turbine ***03X15 MW ABB*** from 22/07/2000 till 05/11/2007

## ***Other skills***

Fast aptitude for learning new skills. Ability to work on own initiative.

Willing to travel with no geographical restrictions. Highly adaptable to changing environment Good communicator

Ability to solve technical problems according to operating procedures and parameters of operations

Driving licence holder (type B)

## ***Languages***

French: written and spoken English: written and spoken Arabic: Mother tongue