

CURRICULUM VITAE

Mr. FAJRAOUI AYOUB.

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27 ans - Single.

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Ibn Sina 2066 – Tunis – Tunisia

TRAINING :



2013 - 2017 : PhD student at the National School of Engineers of Tunis ENIT: Thesis: Support System Decision for the design of multi-spindle machining housings.

Communication: FAJRAOUI.A "Application of artificial intelligence to design a gear" First Doctoral days Polytechnic JDEPT'15 Tunisia, 22-23 April 2015, La Marsa, Tunisia.

2009/2012 : Superior School of Engineers of Beb El Medjez: National Diploma Engineer en :

MECHANICAL ENGINEERING

Mechanical Design and Manufacturing: Design I, II & III Research department I & II, Office of methods, FAO ...

Energetics: Thermodynamics, fluid mechanics, thermal transfers, machine Theory, Machines Thermal ...

Maintenance : electrical maintenance, mechanical maintenance, CMMS ...

Material : foundry, plastics, physical metallurgy, NDT, production of materials ...

Electric : electrical engineering, electronics, electrical machine I & II, automatic instrumentation, regulation...

Industrial IT: PLC and microprocessor...

Management: Management: Production Management, Flexible workshops, operations research, project management, cost accounting, economics...

November 2010 : Training in composite materials'.

January – February 2014 : Certified training in SPC (Statistical Process Control).

Février – Mars 2014 : Certified training in ERP (Enterprise Resources Planning).

March –April 2014 : Certified training in QHSE (Quality, Health, Safety and Environment).

April –Mai 2014 : L2M certified training two weeks in GREEN BELT Lean Manufacturing level.

October 2014 : Certified training L2M four weeks in GREEN BELT Lean Management level.

2007/2010 : IPEIN: Preparatory Course for Engineering Studies Preparatory technology.

2006/2007 : Technological baccalauréat.

PROFESSIONAL COURSES / PROJECTS

2013 : End of studies project:

Study and design of a removable, floating platform at the dock of La Goulette.

Home Business: Tunisian Navigation Company (CTN)

- Design and selection of system components.
- Static calculation with Matlab
- 3D Design and calculation by finite elements of the system using the CATIA V5 software.
- Automation of the system using the STEP 7 Micro Win.



August 2012 : 1 Internship engineer COMET Study, design and implementation of a lateral movement device of the two ramps of a vehicle transporters.



July 2012 : 2nd internship engineer at the Gafsa phosphate company CPG Study, Design and realization of a special machining of mounting system for the rotors of the vacuum pumps.



July 2009 : Work placement at the DMM hardware maintenance management of the CPG::

- Revision of the gearbox kind of BEML dumper KOMATSU
- Revision of a SA12V140 KOMATSU engine.
- Review of an injection pump with axial piston EV / M

PROFESSIONAL EXPERIENCE :

• CURRENT POSITION: PROJECT ENGINEER IN TECHNIPLAST INDUSTRY DEVELOPMENT (GROUP ONE TECH)



- ✓ Adonix ERP application on the SAGE x3
- ✓ Implement and manage the quality assurance process (ANPQP, APQP, Q3P) for projects in development
- ✓ Facilitate plans reviewed and realization of process FMEA
- ✓ Define monitoring plans as well as the list of control means (placings, templates ...) and implementing the associated SPC and Product Quality Assurance Records DAQP, PPAP, outfits.
- ✓ Decide internal EI qualification and product / process
- ✓ Participate in project progress meetings and kick off, prepare and carry out the tests, audits internal and customer audits (JPC), handle customer complaints in series starting phase (QRQC, 8D)
- ✓ Technical Contact and review customer design.
- ✓ Make receptions and testing of new tools (Development / Transfer)
- ✓ Contribution to mold design with CATIA V5 (GPS) and Autodesk Moldflow Simulation
- ✓ Establish retouching notes molds and analyze the quality of parts.
- ✓ Establish DFM (Design for Manufacturability) of new projects
- ✓ Develop with the metrology service, capability studies and Run and Rate
- ✓ Provide spare parts & standard specific molds
- ✓ Check the technical documentation (Shift + 2D Map DFN) Encryption of molds and determining the cost of interventions (modifications, Progress plan, and sheet ... CAPM) made on the molds.

• MAINTENANCE MANAGER IN EL MAZRAA (POULINA GROUP HOLDING):



مجموعة بولينيا القابضة
POULINA GROUP HOLDING

- ✓ Maintenance management of production machinery within the company.
- ✓ Optimization of maintenance.
- ✓ Manage the maintenance team (15 technicians in mechanical, electrical, welding, plumbing and cold)
- ✓ Project management (wastewater treatment plant)
- ✓ update preventive maintenance schedules
- ✓ Creating orders travails OT and the CMMS software COSWIN
- ✓ Review of various machinery (vacuum pumps, screw compressors ...)
- ✓ Technical Recounts offers
- ✓ Study, design and monitoring of various projects: (19 m2 exchanger, cooling tunnel frozen products, conveyor 7000 * 1500mm, 1000kg lift capacity, extension sweating ...)

- **METHOD ENGINEERING IN FRENCH SOCIETY MAGMET (Procidec GROUP)**



- ✓ ERP application PROCOST OBILOG.
- ✓ Design 3D products from the technical drawing including Volvo and John Deere
- ✓ Designing products manufacturing lines
- ✓ Identify procedures for each process and provide manufacturing records
- ✓ Establish the provisional program and production schedules
- ✓ Optimize the means to implement, work organization and production time
- ✓ Develop and implement monitoring and analysis tools (DASHBOARDS, GRAPHICS, PERFORMANCE INDICATORS ...), application of SPC and MRP II for production management via ERP PROCOST
- ✓ Study and design of press tools.
- ✓ Validation and development programs on CNC machines and laser cutting (MAZAK).
- ✓ Writing of technical files and PPAP control reports.
- ✓ Malfunction analysis, monitoring of non-compliance by the 8D and proposing technical solutions
- Teacher temporary for 6 months at the Polytechnic University Central
- Trainer and temporary intra-company in Catia v5, mastercamx5 and maintenance in a private center Inovatis, Formapro vNext and consulting.

KEY SKILLS :

Control software:

- ☑ Mechanical design software: Catia V 5, SolidWorks (**Certification CSWA**), RDM6, OpenMeca, Abaqus, Autocad, Topsolid, Mastercam X5.
- ☑ Programming: Assembler (Pic), C, Maple, Matlab/Simulink/Gui, pascal, Step7 Micro Win. ☑
- Bases de données : Oracle, MySQL, Wampserver.
- ☑ Other Software: Microsoft Project (certified training), ISIS, Moldflow, LABVIEW, Mfg Pro Qualipro, FMEA APIS CMMS Coswin, excellent knowledge of MS Office.

languages :

- ☑ Arabic: Mother Tongue.
- ☑ French: read, written, spoken
- ☑ English: read, written, spoken ("TOEIC 675 ')
- ☑ German : Level **B1**
- ☑ Italien : School level.

Character :

- ☑ Driving license
- ☑ Good interpersonal skills, good communication, dynamic, autonomous.

Interests :

- ☑ Traveling, Soccer,Swimming
- ☑ Active member of the robotics club.