

Ahmed El Badawy Mohammed Saad

Maintenance and development manager

Ain Shams University
Faculty of Engineering
Design and production dep't

2010



Curriculum Vitae

Identifying Information:

Name: Ahmed Elbadawy Mohamed Saad

Gender: Male.

Religion: Muslim.

Nationality: Egyptian.

Marital state: Married.

Birth date: 7/11/1983.

Passport No: A19116223

License No: 63094_ Egypt_ Private

Military service: Completed As 1st Lieutenant.

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Objective:

Seeking a leading position in a well-established organization where I can utilize and enhance my past experience, personal skills and my academic studies.

Education:

College: -

B.Sc. in Mechanical Production ENG, Faculty of Engineering-
Ain Shams University may 2010

Graduation: pass

Graduation Project: DESIGN & MANUFACTURE OF FORM RELIEVED
MILLING CUTTERS

(PREVIATE CUTTERS)

Project grade: Excellent.



Secondary school: -

(Arab Johayna advanced technical school (5 Year Mubarak School _Electrical dept.)

Experience:

A- Mass for Medical Necessaries. From 1-2022 till now



Maintenance and development manager

1. Design and implementation of all new products and molds.
2. Implement Periodical maintenance plan for compressors, Chillers, Cooling tower, and diesel engine
3. Implement periodical and sudden maintenance for Injection machines and injection molds and grinders
4. Implement Periodical and sudden maintenance for Drum printing machines, Linear printing machine, Assembly machines, and packaging machines.
5. Implementation of Periodical and sudden maintenance for ETO Sterilization room with its Pecker vacuum pump and Pneumatic control circuits
6. Instructor and trainer in the company for hydraulic, Pneumatic, and Classic control.
7. Complete repair and restoration for Air handling unit and central air conditioning.
8. Restoration of moulds and increase all moulds eff to be 100%
9. Design of new die for safety syringe packages.
10. Building list of spare parts for all departments, all machines with suppliers, and costing plan
11. Periodical evaluation of suppliers based on time, service quality, and price.
12. Continuous improvement and updating documents to match **Ministry of Health** requirements.
13. Daily follow up with maintenance staff about the held issues, daily work, and requirements.
14. Reduce breakdown with 35% in only 8 Months by providing high performance tools, fast spanners, and quick maintenance box for every team to reduce (Motion, tool handling, waiting) which are deadly maintenance waste items.
15. Implementation of 5 S + Safety in workshop and all environments.
16. Evaluation of engineers and technicians based on response, loyalty to the place of work, and technical skills on different working site.
17. Calculation of breakdown, MTTR, And, MTBF, Depreciation factor of machines
18. Determine and implement yearly departmental objectives.

**Deputy maintenance manager: Afri Medical for medical devices
From 2-2017 to 1-2022**



1– Design and implementation of maintenance plane for more than 9 sectors with different products.

Implement lean manufacturing with cooperation from symbiose consulting and IMC.

2– **Implement** reduction in changeover up to 65% from the basic time, and organize shift working reduction teamwork (mechanical engineer + 12 technician)

3– Design and implement the safety mock drill, and safety files.

4– Design and implementation new products of injection dept.

5– Calculation of production efficiency, utilization and cost.

6– Implementation of new molds with (internal & external) suppliers from a to z (up to final acceptance from QC or the client)

7– Installation of molds and set-up machines with operating method for poly carbonate, poly ethylene HDPE and LDPE PVC soft and rigid products

8– Implement maintenance plane for injection dept. as CLEAN ROOM (quarantine area)

9– Manufacturing of complicated spare parts with more than supplier in 10th of Ramadan and October industrial city

10– Evaluate personnel KPIs

Providing technical reports for top management for OEE and waste reduction.

11– Calculation of MTTR, MTPF, Safety KPIs and other factors affecting directly on the production volume.

12– Implementation of 5S on the working area and make audits with other team work

13– Excellent relationships with local and foreign mold makers and spare parts providers (Egypt, Europe, Fare east, Korean, Singapore, And India)

Achievements with Afri medical.

⇒ Saving more than 280,000 EGP after using the correct specs of consumable spare parts

⇒ Saving more than 750,000 EGP after reducing import from foreign suppliers.

⇒ Saving 300,000 EGP in decision of local manufacturing of injection mold with the same specs of Chinese one. 100,000 EGP Instead of 25,000 USD.

⇒ Saving more the 65% of changeover time.

B- Molds dept. section head: National Co. for packing industries; Member of **Weener international from 9/5/2014 to 15/2/2017(About 3 years)**



1. Implement complete maintenance plan (Periodical, Preventive, temporary) using ERP system for Injection, Blowing, Tubes molds and injection blowing.
2. Molds pricing for new quotations
3. Design new products using solid works.
4. Design of blowing molds and implementation on CNC machines, till the final product.
5. Implement technical drawing on CNC machines. (Wire cut, Milling, Turning, Electrode cutting M/c and laser machines)
6. Write and implement external contracts with client.
7. Implement GMP quality level system for pharmaceutical, cosmetics products.
8. Work under Key personal indicator system (KPI)
9. Involvement in decision making for company vision and mission.
10. Traveled to China for receiving molds and machines at 30- Oct- 2016 for 9 days due to good communication skills, language, and other technical skills.

Achievements with NATPACK.

- ⇒ Complete overhauling of 115 Injection mold, 223 blow mold, 13 vertical tube injection molds
- ⇒ Manufacturing 28 Injection mold, 74 blow mold, and 3 Injection blow molds

C- MAINTENANCE Engineer: German Lebanese Company for paints (GLC) D- From 2/11/ 2013 to 8/5/2014 (7 Months)



Maintenance engineer for pumps (heavy duty pumps), screw conveyor and elevator system, complete overhauling for forklifts torque system, control and wheel axes Complete Repair, And pneumatic control system

Leading teamwork contains three technicians and five operators.

Putting maintenance plan, involvement in putting policies, working with quality vision and mission for achieving company objectives.

E- MAINTENANCE Engineer: Main Presidential Workshop for Vehicle Motors.

Egyptian Armed Forces from 1/10/2011 to 1/10/2013 (2 Years)

The workshop specialist overhauling of benzene engines.

Maintenance of machines (Turning, milling, honing, crank shaft grinding

M/Cs) and pneumatic control system

Working in armed forces learns leading team, Good manners.

F- IV. Site engineer: Mechanical Construction Engineering Company for construction (MCECo) from 15/9/2009 to 30/2/2011 (1.5 Year)

1. Working in Installation & Erection of Saint Gobain Glass Egypt factory (SGGE). Float line, annealing line, Cutting line, and Patch plant components,
2. Manufacturing and erection of racking system for warehouse.
3. Design, manufacturing and installation of special feeding spoon for the main furnace. my own project from (A TO Z)
4. Design, manufacturing and erection of special fixture used for adjust rack angel at 88° (Fixture welding mechanism).
5. Complete foreign management (multinational managerial structure for French Company)



Skills:

- Simplification of problems, finding the optimum solution.
- Time management system and operation optimization
- Capability to travel long distances and for long period.
- Preparing full detailed reports for top management.
- Self-confidence self-motivated and team working.
- Responsibility for all tasks and orders.
- Developing working Area.
- Work under pressure.
- Work as team leader.
- Working in team.
- Work extra time.
- Good audience.



Computer skills:

1. Solid work. CSWE, CSWA
2. AutoCAD 2D - 3D.
3. Power shape 2013
4. Office 2003 to 2010.
5. CNC Programming.



Training:

1. ISO 13485: 2016 QMS Egypt. No 010181
2. Lean Manufacturing green belt (Symbiose Consulting) U.K_ Egypt office
3. CSWE (Solid work Essential) from CAD CAM CIM
4. CSWA (Solid work Advanced) and mold design..... Self-learning
5. TPM (Total productive maintenance) Self-learning
6. TQM (Total Quality management) Self-learning
7. Military Factory No.200 for _ Manufacturing and Maintenance of Armed Vehicles. (7/ 2008) one month
8. Egyptian electrical cables company (7/ 2007) one month
9. El-Sues Directorate of security Extinguishing Department (training course for Health and safety).
10. Egyptian armed force institute for languages (level 9 in English language).

❖ **Languages:**

1. Arabic: Mother tongue.
2. English: V Good spoken & written and conversation.

❖ **Hobbies:**

- Playing Chess.
- Walking.

Sincerely yours.

References available upon request.
Updated 05-Jul-2022