Mohamed Hashem Abdelrehem

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Senior production engineer

- Name : Mohamed Hashem Abdelrehem Hashem
- Nationality : Egyptian
- Date of birth : 01 / 01 / 1990
- Place of birth : Egypt
- Nationality : Egyptian
- Marital status : Single
- Military service status: Completed
- Driving License : Valid
- Passport : Valid

EDUCATION

Alexandria University
Faculty of engineering
Communication and Electronics Engineering Department
B.Sc., 2011
4th year degree: Excellent
Percentage: 88%
Overall degree: Good
Percentage: 74%

Graduation Project
DVB-T2 PHY layer implementation
Degree: Excellent
Supervisor: Dr. Karim G. Seddik

OBJECTIVES

I have the strong desire and power of innovating and getting through challenges a job may require, armed with ultimate self-confidence, fast learning capability, excellent communication skills, powerful courses studied and non-decreasing skills gained at my university and through my career.

CAREER HISTORY

❑ **El sewedy Meters S.A.E., Alexandria** **September, 2012 - Present.**

It is part of El Sewedy Electrometer Group EMG, which is a market leader in providing state of the art Metering solutions and Energy Management Services with facilities covering the Middle East, Africa, India and Czech.

■ **Senior production engineer.** **January, 2016 – Present**

- Supervising the operation of SMT production lines, executing the scheduled preventive maintenance and corrective maintenance if necessary to assure reliable manufacturing capability.
- Managing and monitoring the whole production process and all outputs and inputs to the system, applying continuous improvement techniques to increase the productivity.
- Leading my team to apply quality, safety and environmental standards on different factory elements and all production processes.

- Identify and improve manufacturing profitability through productivity improvement techniques and utilizing lean manufacturing activities and principles on the production environment and different process stages (Like 5S and Kaizen).
- Managing manpower in planet, leading and supervising team of technicians working on the production lines, managing tasks and duties among them.
- In charge of solving most of sudden alarms or problems related to control system or machines hardware within the shortest possible time and lowest cost.
- Developed a documentation process for all production events according to the quality control/Assurance policy of the company and ISO standards, keeping documents up to date.
- Collating statistics, KPIs (Key Performance Indicators) and compiling reports, effectively analyze them to catch the improvement opportunities, determine most effective solutions and implement corrective actions.
- Optimizing the production lines for new projects, achieving the best capacity planning and line balancing.
- Follow-up the material usage control and the new material study.
- Managing new products as projects identifying project responsibilities by determining the phases and elements of the project, providing updates to management and other project teams, project management that includes interfacing through cross-discipline teams involving suppliers, purchasing, materials, R&D, quality, safety, and manufacturing.

■SMA production engineer. September, 2012 – December, 2015

❑ Orascom trading S.A.E, Alexandria September, 2011 - September, 2012

The company has 2 divisions, first one responsible for maintenance projects of Mobinil Base station subsystem (BSS) and second one working in construction projects as a subcontractor for Nokiasiemens-Mobinil 2G and 3G Sites upgrade project.

■ RF field engineer

- Responsible for maintaining Mobinil 2G and 3G Sites and BSCs (whole Base Station Subsystem "BSS" including Micros).
- Troubleshooting Radio and Environmental alarms of the site and reconditioning them.
- Dealing with Motorola H2 and H1 2G cabinets and BSCs, both Software and Hardware issues.
- Attending a Mobinil Site swap from Motorola BTS to Huawei BTS with different RF Modules in one Cabinet.
- Responsible for installation of new Nokia Siemens Networks 2G and 3G cabinets.
- Responsible for installation, commissioning and test running of Nokia Siemens Networks 2G and 3G Modules on the upgrade project.
- Measuring VSWR on different sectors and tracing it's sources.
- Responsible for making surveys for new 2G and 3G sites.
- Responsible for delivering new Nokia Siemens Sites at accepted state according to Mobinil's regulations and standards.

- Dealing with Microwave links (like NEC and Alcatel) and Modem links (HDSL).
- Making new routes and tracing old routes of Micro, Macro and Nodal Sites (provide transmission solutions for new sites or reroute old ones).
- Achieving high monthly targets without reserves.
- Brief Background about Drive Test measurements and Tems Tools.
- Brief Background about RF Indoor design and Femto-cell.

Experience & training

PETROJET
Trainee - Field Supervision Engineering
August, 2007

Titan Cement Egypt, Alexandria's Plant
Trainee - Plant Operation and Maintenance Engineering
July, 2009

Bibliotheca Alexandrina
Trainee - Operation and Maintenance for Networks and Audio/Video Devices, August, 2009

Egypt Telecom
Trainee - Communication Engineering Department
September, 2009

- AVR for Embedded systems programming course 2007
- ATMEL programming course , IEEE - Alexandria Student Branch 2007
- Introduction to Photoshop course , New Horizon center 2008
- Electrical and control panels course, Alexandria 2009
- Communications systems networks & generations (2G & 3G) course New Horizon, Alexandria 2009
- CCNA course 2011
- Introduction to Programmable Logic Controllers " PLC " course, Oil and Gas Skills 2011
- Introduction to Artificial Intelligence , Stanford University online course 2011
- Flexi Multiradio Installation [EX3.1], NSN Academy, Cairo 2012
- Brief Background about LTE Technology
- Introduction to Lean management (Green belt course), TSD 2013
- Occupational safety Principles, Elsewedy Meters, Cairo 2013
- SMT lines operation, maintenance and troubleshooting - advanced level - , Universal Instruments Corporation, NY, USA 2013
- Instrumentation for process control Course –McMaster Online courses, Self-study. 2014
- Primavera P6 R8.2, New Horizons ,Alexandria 2015
- Business Production and Operations, OTT, Alexandria 2015
- PMP Preparation course , OTT, Alexandria 2015

Skills

❖ **Personal skills**
- Developed strong presentation and communication skills.
- Good time management skills.
- Able to successfully work individually or within a team.
- Efficient team leading and organizing.
- Ability to work under pressure efficiently and effectively.
- Motivated and enthusiastic to learn more and develop personal skills.
- Decision making and problem solving skills.

❖ **Computer skills**
- MS Office.
- Adobe Photoshop.
- HTML for web design.

- C Language programming.
- CAD Tools (MATLab , Simulink & Multisim)

Languages

- Arabic: Native.
- English: Very Good.
- German: Limited working proficiency.

Additional activities

- Students' Union member, faculty of Engineering, Alexandria University 2006-2011
- Head of societies committee , Students' Union 2009-2010
- Participated in many social events as organizer or volunteer inside the faculty or with some of Egyptians NGOs.
- Organizing number of training classes and self-improvement activities, Faculty of Engineering, Alexandria University.
- Attended many technical conferences and seminars.

References

- **Mr. Mohamed Mamdouh**
  Factory manager
  El Sewedy Electrometer Group
  Email: mmadouh@sewedy.com.eg

- **Mr. Mohamed Shawky**
  Plant manager
  El Sewedy Electrometer Group
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- **Mr. Ahmed Moustafa**
  Planning section head
  El Sewedy Electrometer Group
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- **Mr. Mohamed Raafat**
  Manual assembly section head
  El Sewedy Electrometer Group
  Email: m.raafat@sewedy.com.eg

- **Mr. Peter Adel**
  RF Optimization engineer
  Nokia Siemens networks
  Mobile: 01223975476

Interests

- Reading, gaming and travelling.