

RESUME

Ahmed Ali Abd El-rahman Mechanical Engineer Carbon Plant- Egyptalum



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Career Objective

I seeking new challenges in Mechanical Engineering using my analytical skills and commitment to perform quality and quickly work.

Personal Information

Birth Date:	9 September 1974
Gender:	Male
Nationality:	Egypt
Visa Status:	Citizen (Egypt)
Marital Status:	Married
Driving License:	Egypt

Education

- 1- **Now , in final stage of Doctoral study** (Faculty of Engineering - Al-Minia University, Al-Minia, Egypt).

Investigation Point: "**Exergy Destruction Accounting for Industrial Heating Process**"

- 2- Master's degree, Mechanical Power Engineering (Sep.2008)

Faculty of Engineering - Al-Minia University, Al-Minia, Egypt
(Exergy & Energy Analysis Of Combustion in (Furnace - Boiler)
Study of Combustion In (Furnace - Boiler)
Study of Heat Transfer Systems in Industrial Processes

Paper depend on my master degree investigation were published in Periodically Magazine of Faculty of Engineering - Al-Qaseem University – **KSA**.

- 3- Bachelor's degree, Mechanical Power Engineering (May 1997)
Valley South University - **Faculty of Energy Engineering** (Higher Institute of Energy), Aswan, Egypt.

Professional Experience

1- Production Engineer: From 1999 – 2002

As Production Engineer in Egyptalum Company (Carbon Plant) , Participated in erection and installation of Anode Paste Plant (With FCB "France" SOLIOS FRANCE). After commissioning and startup period I work as Supervisor for more than 12 coworker in shift system.

2- Maintenance Engineer: From 2002 – 2005

Responsible & Supervising mechanical maintenance works for all Mechanical Equipments of Anode Paste Plant as (*Belt Conveyer - Belt Bucket Elevator - Cone Crusher - Roll Crusher - Ball Mill - Bags Filter - Hydraulic systems - Pumps - Fans - Screw Conveyer - Gear Boxes - Power Transmission Systems*). *Materials Handling Equipment Expert* .

Identify and Setup needs from spare parts for all Equipments of Anode Paste Plant.

3- Manage & Maintenance Engineer : From 2005 – 2010

For (Boiler House Steam And Thermal Oil):

Responsible for Operate and Maintenance Works of Thermal Heating Unit To produce Heat To use in Industrial Processes As (Heating of Fuel line - Heating liquid pitch - Solid Pitch melting - Coke heating).

Maintenance Works of Thermal Heating Unit Include :-

(Maintain Thermal oil pumps - Burners - whole Systems of fuel oil

Combustion - Thermal oil heaters - Piping systems and Valves - Differential Pressure Monitoring Systems - Temperature Measurement Devise).

Special Experience in (Heat Consumption calculations).

Special Experience in (Combustion Readjustment for All Types of Boilers and Reactors after Maintenance Operations).

Special Experience in (Heat Transfer Systems Design & Operation and calculations).

Experience in construction, erection and test of new boilers.

Experience in new combustion technology and burners.

4- Project Manager and Designer: From 2008- Until now:

(2008 -2010) Responsible for construction of a new and complete "Pitch Melting Unit" working with R.T.O system. This unit is a part of paste plant.

(2011- until Now) Responsible for construction of complicated big dedusting system for (Anode Paste Plant , Roding Shop and Coke Calcining unit) to meet authorized law of environment.

(item 4 beside my work as manager of Industrial heating Unit which is part of Anode Paste Plant)

5- Mechanical Superintendent Engineer in Egyptalum Anode Baking Furnace and anode paste plant as transitory (from 2010 to now)

Languages:

- 1- English (Fluent)
- 2- Arabic (Native)

PC Skills:

All Microsoft software's & the Internet- Expert,
Primavera , AutoCAD, Solidwork , Inventor, ANSYS

Training :

- 1- ISO 9001/2000 "Internal & External Editor-Consultative "
- 2- OHSAS 18001/1999 "Internal & External Editor-Consultative "
- 3- OEE (Overall Equipment Effectiveness)
- 4- TPM (Total Productive Maintenance)
- 5- Maintenance Operations Management
- 6- SAP Training Course.

References

Name	Job Title	Phone Number
Prof. Dr. Bahgat Khamis Morsy	Prof. Dr. in Mechanical power Engineering Faculty of Engineering - Al Qasiem University – KSA	+966.543425334
Prof. Dr. Maher Abd El-Wahhab Mohamed	Prof. Dr. in Mechanical power Engineering Dean of Faculty of Engineering – Al minia University- Egypt	+20.101346534
Prof. Dr. Ahmed Soliman Hozain	Prof. Dr. in Mechanical power Engineering Dean of BANHA institute of Technology- Egypt	+20.123334580



كلية الهندسة
دراسات عليا

شهادة

تشهد الكلية بأن السيد المهندس / احمد على عبد الرحمن على
حصل على درجة الماجستير في هندسة القوى الميكانيكية
بناءً على قرار مجلس الجامعة بجلسته المنعقدة بتاريخ ٢٠٠٨/١٢/٣٠
وتوصية مجلس الكلية بمنح الدرجة بتاريخ ٢٠٠٨/١١/١٦
وذلك في موضوع :-
" تحليل الطاقة المتاحة للاحتراق في التسخين المباشر لسخان الزيت "
التطبيق في شركة مصر للألمنيوم "

وقد أعطيت له هذه الشهادة بناءً على طلبه ،،،

عميد الكلية

الموظف المختص
رحمة



سدد الرسوم بالقسيمة رقم (٨٧٨٦٢١) بتاريخ ٢٠٠٩/٢/٣