

Ahmed Shams

Linked in



electromechanical engineer

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About me

An Ambitious Engineer who is Looking for a Challenging Role in a Reputed Company to Utilize My Engineering Skills That Can Contribute to The Company's Growth as Well as Enhance my knowledge by exploring new things to Get an Opportunity where I can make the Best of My Potential. I chose This Field of Study Because I Have Always Been Interested in Integrating Mechanical and Electrical Engineering. .

Personal Information

Gender: Male

Nationality: Egyptian

Date of birth: 24.12.1995

Language: Arabic ,English ,French

Education

Assuit university

2015 – 2021

B.sc

• B.Sc. of Mechatronics and Robotics Engineering | jan-2021 | Assiut University
Graduation Project: ROV Graduation project grade: Excellent.

Skills

Microsoft office

Expert

AutoCAD

Advanced

solidworks

Advanced

OSHA

Expert

PLC

Advanced

MEP

Advanced

classic control

Advanced

CNC coding

Advanced

C++

Advanced

Arduino

Advanced

MATLAB

Expert

Maple

Expert

Protous

Advanced

premvira 6

Work Experience

Taqa for solar system

2021 – 2022

Solar engineer

- I worked for 11 months designing solar systems, installing them, and calculating loads using the SketchUp program.

El_Ngoly group

2022 – 2023

Automation engineer

- I worked for 14 months at Al-Ngoly Group for Modern Industries as an engineer maintaining and operating production lines and manufacturing machines.

Egyptian Armed Forces Engineering Authority

2023 – 2024

Electromechanical site engineer

- I work at Egyptian army as an electromechanical site engineer responsible for implementing and installing fire lines, cooling systems, and water treatment plants necessary for pharmaceutical production lines, in addition to assembling pharmaceutical and medical oin. (elnile military hospital)

Tiejun_KSA

2024 – Continue

site engineer

- A site engineer is responsible for excavation work related to fire, water, and drainage lines, as well as excavation work for extending electricity and telecommunications lines, and backfilling and soil compaction. Shuri Island, Red Sea Project

Projects

ROV

2019 - 2020

team leader

Academy of Scientific Research

- The project is an exploratory submarine that films at the bottom of the sea and has an arm to pick up things. It was manufactured from German arterial material because it has a density similar to water and can withstand extreme pressures. Brushless T200 motors were used because they are highly effic

Interest and Hobbies

Interest

- community service

Hobby's

- riding horse
- swimming
- racing
- shooting
- traveling

Additional Details

My role in Taejun Company

- 1. Review and Setting Out Study of Drawings: Review shop drawings and ensure there are no conflicts between different networks (e.g., a drainage pipe and an electrical cable should not intersect at the same level). Surveying: Supervise the marking of points and levels. 2. Execution Oversight Excavation: Monitor excavation depths and trench widths, ensure soil stability, and shoring excavation sides if necessary. Pipe and Cable Laying: Verify the pipe type (UPVC, HDPE, GRP) and installation method. Installation of Manholes and Chambers: Supervise the pouring or installation of manholes

my role in tiejun company

- 3. Testing and Quality Soil Testing: Verify the quality of the backfill (compact test) over the pipes in layers to ensure the road does not settle later. 4. Coordination and Resource Management Clash Detection: Coordinating with electrical and mechanical engineers to avoid overlapping services. Contractor and Labor Management: Assigning tasks to workers and monitoring subcontractor productivity. Quantity Surveying: Recording actual quantities executed on-site for invoice preparation.

my role in tiejun company

• 5. Report and Finalization Chart Preparation Daily Reports: Documenting completed work, number of workers, equipment used, and obstacles encountered. As-Built Charts: One of the most important tasks of the infrastructural engineer is to accurately document the actual workflows that were completed to facilitate future maintenance operations

Signature

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