

Ali Mahmoud Ali Hassan Selim

Civil Site Engineer

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EXPERIENCE

Geoscape landscape for construction – Prince Meshal, Riyadh Region, Saudi

Arabia **Subcontractor with SAPAC**

Sr. Civil engineer

April 2025 – Present

Project: Prince Meshal

- Excavating and grading the road to ensure proper leveling in accordance with certified drawings. Installing hardscaping features to create concrete pathways around the entire building.
- Installation network irrigation system which is a modern technology that allows farmers to efficiently and effectively manage their irrigation needs.
- Irrigation system utilizes sensors, data analytics, and automation to monitor soil moisture levels, weather conditions, and crop water requirements. By using these inputs, the system can accurately calculate the amount of water needed for each field and control the irrigation schedule accordingly.
- The network irrigation system is its ability to provide real-time monitoring and control of irrigation operations.
- Hardscaping in landscaping is the integration of non-living elements in landscaping, such as paths, retaining walls and patios. It involves the use of hard materials like bricks, concrete, gravel, wood and stones to create structures and features that are functional and/or aesthetic.

Geoscape landscape for construction – Sindalah Island, Tabuk Region, Saudi Arabia

Subcontractor with Nesma Partners and BEC (Arabia contracting)

Sr. Civil engineer

June 2024 – April 2025

Project: Sindalah Island (Backbone-Promenade)

- Excavating and grading the road to ensure proper leveling in accordance with certified drawings. Installing hardscaping features to create concrete pathways around the entire building.
- Installation network irrigation system which is a modern technology that allows farmers to efficiently and effectively manage their irrigation needs.
- Irrigation system utilizes sensors, data analytics, and automation to monitor soil moisture levels, weather conditions, and crop water requirements. By using these inputs, the system can accurately calculate the amount of water needed for each field and control the irrigation schedule accordingly.
- The network irrigation system is its ability to provide real-time monitoring and control of irrigation operations.

Consulting Engineer at Shubra Engineering office RTC- El-obour - Egypt

Consultant engineer

February 2022 – April 2024

Project: Social Housing (Housing for all Egyptian)

- supervised execution of contract and prepared invoices for the project.
- Monitored daily construction details and progress, preparing schedules and supervising completion of final punch lists to maintain the highest quality standards.
- Landscaping involves the installation of gravel around buildings to enhance their aesthetic appeal and functionality.
- Maintained project materials and utilized blueprints, schematics and specifications.
- Reduced construction costs by conducting value engineering assessments and identifying cost-effective solutions.
- Estimated quantities and material costs during project planning to support budgeting and costing.
- Supervision and execution of reinforced concrete works for slabs, columns and reinforced footings.
- Supervise technical and feasibility studies including site investigations.
- Conduct structural audits of buildings and prepare inspection reports.

Cscec company (Power china)- New administrative capital, Cairo, Egypt

Civil Engineer

May 2021 -February 2022

Project: Iconic tower at new capital.

- Estimated quantities and cost of materials, equipment and labour requirements to determine project feasibility, tested sites and materials to assess strength and quality.
- Conducted site inspections to ensure compliance with local building codes, leading to successful project approvals.
- Overseeing concrete, steel work and construction projects.
- Reviewed designs for compliance with current industry practices and field conditions.
- Entered and distributed work orders to other technicians.

EDUCATION

Faculty of Engineering (2014 – 2019)

New Cairo Academy (N.C.A)

Bachelor of Engineering - Civil Engineering.

Graduation Project: Material.

SKILLS

Software: Autodesk (Cad - safe - Etabs - SP column) MS Project, Revit modeling, Time management.

Design and Analysis: Structural Analysis, CAD Design.

Regulation & Compliance: Building Codes, landscaping, concrete and finishing works, Saudi Driving license.

Languages: Arabic (Native), English (Fluent).