

# Michael Atef Aziz

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## PROFESSIONAL SUMMARY

Highly motivated Senior Steel Structure Engineer with 8+ years of experience in steel detailing, structural design, fabrication, and erection. Adept at managing complex engineering projects across commercial, industrial, and infrastructure sectors. Proficient in Tekla Structures, AutoCAD, Staad Pro, SAP2000, Idea Statica, and construction coordination. Proven ability to meet deadlines and deliver high-quality results in fast-paced environments.

## SKILLS

- Steel Detailing
- Tekla Structures, AutoCAD, ProNest
- Structural Analysis: SAP2000, Staad Pro, Idea Statica
- Construction Management
- RFI & Documentation
- Project Coordination & Supervision
- Primavera P6
- Languages: Arabic (Native), English (Very Good)

## WORK EXPERIENCE

- Senior Steel Detailing Engineer  
Blocks, Riyadh, Saudi Arabia | Aug 2023 – Present
  - Delivered detailed project drawings using the latest drafting tools.
  - Coordinated with contractors, architects, and clients to finalize design specs.
  - Managed structural design programs within time and cost constraints.
  - Reviewed drawings and calculations to ensure compliance with standards.
  - Produced erection and workshop drawings for various structural materials.
- Technical Office Engineer  
Hassan Allam Construction – Steel Division (NPPA), Egypt | Nov 2022 – Aug 2023
  - Conducted technical documentation review and issued RFIs for discrepancies.
  - Led technical coordination meetings and planning sessions.
  - Supported installation and legacy system transitions.
  - Oversaw workflow delegation for on-site technical support.

- **Steel Detailer**  
ASSENT, Egypt | Feb 2020 – Nov 2022
  - Created Tekla models based on structural and architectural designs.
  - Reviewed project specs and drawings to suggest material adaptations.
  - Prepared erection plans, assembly, and approval drawings.
- **Steel Detailer**  
Hassan Allam Construction – Steel Division, Egypt | Jun 2018 – Feb 2020
  - Developed Tekla models and detailed workshop drawings.
  - Generated material take-offs aligned with project specs.
  - Submitted approval documents for structural steel components.
- **Site Engineer**  
Orascom Construction, Egypt | Apr 2018 – Jun 2018
  - Supervised site activities ensuring adherence to safety and quality.
  - Estimated resources and documented daily site progress.
- **Erection Engineer**  
Magic for Construction & Communication Technology, Egypt | Jan 2018 – Apr 2018
  - Coordinated site teams and enforced safety compliance.
  - Mitigated project delays via risk and feasibility assessments.

## **EDUCATION**

B.Sc. in Civil Engineering

Helwan University, Mataria Branch, Cairo, Egypt | 2017

- Grade: Very Good | Graduation Project: Construction Project Management – Excellent

- Ranked Third at National Level

## **CERTIFICATIONS & TRAINING**

- Structural Steel Design Diploma

- Certified Associate in Project Management (CAPM)

- Construction Management Planning and Control (CMPC)

- Professional Planning Engineer Diploma

## PROJECTS

- Blocks (Saudi Arabia)
  - Jabal Alsabaya Island Activation
  - Diriyah Square
  - Boulevard World 2023–2024 (Saudi, Egypt, France, Amazonia zones)
  - Boulevard City 2023 (WWE Zone)
- Hassan Allam Construction
  - Nuclear Power Plant Authority (NPPA)
  - NCIC – El-Nasr Chemical Company
  - New Administrative Capital – Mansoura 1
  - Cairo West Power Plant – Steam Turbine
  - City Center Almaza
- ASSENT
  - Hitachi Zosen Inova (Australia) – Waste-to-Energy Plant
  - Yas Island, Dubai – Sea World Park
  - Manyar Smelter Project – Indonesia
- Orascom Construction
  - New Capital – Mansoura 7
  - West Airport Project