

# ESLAM ELZOGHBY | BSC, MSC

Senior Civil Engineer | CSCS, SMSTS Certified

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## SUMMARY

Accomplished Senior Civil Engineer with over 10 years of progressive experience in the design, Construction management, and delivery of complex civil and infrastructure projects across the UK and UK and abroad. Currently supporting the HS2 N1/N2 project with Balfour Beatty Vinci (BBV), bringing hands-on expertise in both sub-structure and superstructure construction. Expert in managing complex design and construction activities across all project stages, with a strong focus on technical compliance, buildability, and with proven ability to lead multidisciplinary teams and engage with clients and JV partners. Holds a Master's in Structural Engineering and multiple industry-recognized certifications.

## INDUSTRY EXPERTISE

•Site Inspection, Construction Management

•Project Coordination

•Design Management

•Permanent and Temporary elements Works

•Cross-Disciplinary Coordination

•Proactive Design Assessment and Conflict Identification

•Strong interpersonal communication

•Good attention to detail

•Providing technical advice

## EXPERIENCE

07/2024 - Present

Birmingham, United Kingdom

### Section Engineer

**Balfour Beatty Plc**

- Supporting the HS2 N1/N2 (Area North) project, delivered by Balfour Beatty Vinci (BBV) under Balfour Beatty plc, covering the northern 90 km section of Phase 1 of the HS2 high-speed rail development specifically, Sublot 1 includes the Bromford Intermediate Shaft and Headhouse Building and other assets
- Coordinating with project managers, subcontractors, and design teams to maintain smooth project execution
- Providing buildability guidance by assessing design proposals and reviewing temporary works packages, including design briefs, TW drawings, and calculations
- Reviewing and verifying detailed reinforcement drawings and other disciplines (Architecture, Drainage, Earthing & Bonding, Landscaping, etc.) to ensure accuracy, compliance with BS standards, and constructability and projects specifications
- Identifying and raising Field Change Requests (FCRs), and Non-Conformance Reports (NCRs), providing possible solutions and ensuring they are closed out efficiently
- Lead the development and management of the design detailed deliverables program
- Conducting site inspections and quality checks to maintain high construction standards
- Identifying and reviewing material acceptance records 'MARS' for all relevant design materials to ensure compliance with project specifications and standards
- Monitoring progress, preparing reports, and maintaining accurate site records
- Ensuring compliance with health, safety, and environmental regulations



08/2022 - 07/2024

Birmingham, United Kingdom

### Senior Design Engineer

**Bachy Soletanche UK**

- The HS2, N1/N2 (Area North) initiative encompasses the northern 90km segment of Phase 1 in the comprehensive HS2 project, aiming to establish a new high-speed rail link between London and the North of England
- Routine geotechnical and structure designs, temporary works (lifting points, bands, trapping beams...) including the production of design deliverables for each design package (e.g., design report, design certifications and design risk assessments)
- Responsible for the technical review of the Client's design drawings in terms of constructability and monitoring design production with the designers and checkers
- Provide design support to the site with field change requests 'FCRS'
- Liaising with the appointed supplier and design drawing (i.e., check fabrication drawings versus the design drawings and carry out inspections on-site or at their yard)
- Oversee the CAD resources involved in producing the shop drawing
- Ensuring compliance with the Client specifications



## EXPERIENCE

08/2021 - 07/2022

Port Said, Egypt

### Senior project engineer

#### Samcrete -NERIC Project

- A private joint-venture company formed by a group of Egyptian companies in partnership with Governmental entities. The main objective of the company is to establish a rolling stock plant in a prospective area of tentatively 300,000 m2 located in East Port Said Industrial which is part of the Suez Canal Economic Zone.
- Responsible for conducting a pre-use inspection of both reinforcement cages and plunge columns - recording their installation safely to comply with the desired designed position
- Maintaining accurate records such as daily diary, photographs, records of site discussions
- Producing Activity Control Plans / Inspection and obtaining approval
- Responsible for quality management during drilling; this includes piles verticality, slurry, depth and bottom cleanness
- Producing accurate daily diary of resources, including labour, plant, materials, subcontractors and outputs
- Producing weekly measures, take-offs and scheduling materials accurately
- Creating the construction progress plan and conducting detailed shift reports, daily diary and productivity & delays reports, requiring liaising with Operators, supervisors and the management team to ensure the productivity of the project



10/2020 - 09/2021

Cairo, Egypt

### Senior Project Engineer

#### Samcrete - The Development and Expansion Of The Ring Road Of Great Cairo

- Responsible for quality management during site
- Reading information from drawings, schedules and specifications
- Estimated quantities and material costs during project planning to support budgeting and costing
- Communicating weekly programme targets to the workforce and liaising with subcontractors to ensure works undertaken in line with the weekly programme
- Create detailed drawings and specifications of bridges and industrial works for contractors to follow and understand
- Perform field activities such as observing and recording existing field conditions, and taking and verifying measurements within the project area
- Involved in the preparation of reports, designs, specifications and contract documents
- Ensure that design briefs are completed satisfactorily
- Provided technical and professional engineering support services in design, construction and structural engineering



03/2020 - 09/2020

Cairo, Egypt

### Project Civil Engineer

#### Arab Contractors- Great Cairo MONO Rail

- Responsible for the technical coordination between the client and the designer
- Reading information from drawings, schedules and specification
- Enforced strict health, safety and environmental rules applicable to each project type
- Inspected installation of precast structures, underground services, concrete and earthworks
- Attended industry training, association meetings and topical seminars to enhance job knowledge and skills



11/2019 - 03/2020

Cairo, Egypt

### Project Civil Engineer

#### Arab Contractors-Renovating El Tahrir Square

- Drafted structural plans using various computer-aided design solutions
- Setting out and producing surveys
- Prepared workshop drawing for obelisk base, which was rested on metro's tunnel wall diaphragms and designed feeding tank
- Completed accurate engineering calculations for weights, loads and other metrics using both manual and digital methods
- Developed and implemented solutions to maintain and improve client infrastructure at existing sites
- Integrated known material stress factors into construction planning to support safe and lasting buildings and infrastructure
- Prepared risk assessments to support safe and stable construction sites



02/2017 - 10/2019

Charm EL-Sheikh,Egypt

### Project Structural Engineer

#### Arab Contractors- Charm El-shiekh Airport

- Attended site visits and inspections, verifying alignment with design specifications and safety standards
- Performed design and prepared R.C. structural drawings for the administration Building
- Performed design and prepared steel structural drawings for luggage Building
- Performed design and prepared R.C. structural drawings for slab on grade for 4 halls according to (BS-8110)
- Participated in preparing structural drawings for Sorting and Loading Area (steel structure)
- Participated in preparing structural drawings for Departure Hall check-in (steel structure)
- Developed and implemented performance improvement strategies and plans to promote continuous improvement
- Mentored junior engineers, providing technical guidance for skill development



## EXPERIENCE

04/2016 - 05/2017

Cairo, Egypt

- **Civil Structural Engineer**  
**Arab Contractors- P4 Basra Water Plant Improvements-Iraq**
  - Co-coordinated different activities with J.V partners, which are Hitachi Solutions L.T.D and O.T.V, which are Japanese and France companies Using REVIT software
  - Early Design reviewing
  - Early Design reviewed, raised RFIs and prepared R.C. workshop drawings (W.S.D) for the below Using ASD: RO-Electrical Building, UF-Electrical Building, UF-CIP Building, UF-Backwash Building, Settled Water Tank Building and RO-CIP Building
  - Performed and prepared Design R.C. structure for the below (using BS-8110 Code): UF-CIP Building and RO-CIP Building
  - Performed Check and Review Design R.C. structure for the below (using BS-8110 Code): Settled Water Tank Building and RO Building
  - Provided technical and professional engineering support services in design and construction



07/2014 - 03/2016

Cairo, Egypt

- **Structural Design Engineer**  
**RBC - Consultancy Office -Expert House**
  - Participated in design of school of languages project – 6 Oct
  - Design of 9 R.C Structural building
  - Participated in review the design of King Abdulaziz University, Saudi Arabia - Jeddah which had been done using ACI codes
  - Design coordinate for commercial mall with 4200 meter sq. responsibility
  - Prepared coordinate with different activities
  - Prepared structure system and drawing
  - Prepared Shop Drawing for each structural element
  - Collaborated with clients, architects, engineers, contractors and sub-consultants on projects



## EDUCATION

06/2019

Cairo, Egypt

- **Master of Science**  
**Helwan University - Faculty of Engineering**
  - Thesis title :Studying of the effect of strengthening of R.C Columns under Service Loads Using CFRP.

09/2009 - 07/2014

Cairo, Egypt

- **Bachelor of Science**  
**ElShourk Academy - Civil Engineering- Faculty of Engineering**
  - Excellent with Honor degree, GPA: 3.40/4.0
  - Graduation Project: Design of R.C Structure, Excellent degree.
  - Ranked 4th on class
  - Awarded [IDEAL'S STUDENT] academic

## CERTIFICATION

### Construction Skills Certification Scheme|CSCS

Issued Mar 2023 · Expires May 2028  
Credential ID 14002326

### Site Management Safety Training Scheme|SMSTS

Issued Feb 2024 · Expires Feb 2029  
Credential ID 7564214

### Tunneling Safety Training Scheme|TSTS

Issued Jun 2024 · Expires Jun 2027

### Temporary Works Supervisor | TWS

Issued Oct. 2024

## LANGUAGES

Arabic  
Native



English  
Proficient



## SKILLS

AutoCAD (2D, 3D)

AutoCAD Structure Detailing

SAP 2000

ETABS

Prokon

SAFE

MS Office