

# Mohamed Mahmoud Essa

## Infrastructure, Construction and Irrigation Technical Office Engineer

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Riyadh – Yarmouk

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🌐 Nationality : Egyptian

📅 Date of birth : 21/2/1990

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🌐 LinkedIn : <https://www.linkedin.com/in/mohamed/mahmoud-2018b0307>

## PROFESSIONAL PROFILE

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*Senior Structural Engineer with +13 years' experience in many projects .  
Highly skilled and knowledgeable Civil Engineer with a strong record of sound and safe construction projects.*

## WORK EXPERIENCE

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Assistant Director of the Technical Office Engineer  
at Yuksel Insaat Saudi LLC

**11/2024 – Present**

- Prepare the Technical submittals and prepare all the plans associated with it such as – Project Management plan -HSE PLAN-Testing, Works Handover and Closure plan - Training and development plan- Project Quality Plan- Risk Management Plan and Strategies- Change Order Management Plan - Communication and Document Management Plan -Financial & Human Recourses Improvement Plan - Procurement Plan – Final .
- Preparing Time-Tables for various projects and monitoring project progress using Primavera Software .
- Preparing various project presentations and distributions of their items using PowerPoint and word software .
- Preparing the initial BOQ for tender and following up on changes in it with the different project time periods .
- Preparing the contract and its attachments .
- Prepare and issue necessary shop drawings And review it for all allocated tasks.
- Discuss and suggest technical proposals for design drawings .
- Prepare quantity survey for concrete work and any implemented activities by using Various programs .
- Responsible for preparing invoices, check sub-contractor invoices, deal with the main consultant.
- Ensure that the site is supplied with all documentation and materials needed to carry out the works.
- Reviews preliminary designs, working drawings, specifications and cost estimates related to the project.
- Coordinate design drawings for all disciplines.
- Check quantity surveying works and materials take-off to ensure the accuracy of quantities in the BOQ.
- Prepare all designs for Box Culvert using Robot Software and according to the American Code and MMORA loading

- *Prepare the design for Roads And Intersections using Civil 3d and Corridor EZ software's and prepare the Profiles, Sections, Superelevation's ,etc.*
- *Prepare the design for Storm Networks using Civil3d and Storm cad Software's*
- *Prepare the Shop Drawings using AutoCAD Structure Details Software for Box Culverts*
- *Prepare 3d models for box culverts and Roads using Civil 3d Software and Tekla and Define and Solve Problems of intersections between Box Culvert and Roads*

**Senior Consulting engineer for mega projects at the Ministry of Water Resources and Irrigation**      8/2022 – 5/2024

- *Supervising the implementation of dozens of major infrastructure projects such as Bridges , Box Culverts , Retaining Walls and the Maintenance of this Structures .*
- *Prepare and issue necessary shop drawings And review it for all allocated tasks.*
- *Discuss and suggest technical proposals for design drawings and resolve conflicts between structural and architectural, making bending list and coordination work.*
- *Prepare quantity survey for concrete work and any implemented activities by using computer programs or manual.*
- *Invoices responsible for preparing invoices check sub-contractor invoices, deal with the main consultant.*
- *Ensure that the site is supplied with all documentation and materials needed to carry out the works.*
- *Reviews preliminary designs, working drawings, specifications and cost estimates related to the project*
- *Coordinate design drawings for all disciplines.*
- *Check quantity surveying works and materials take-off to ensure the accuracy of quantities in the BOQ*

Hassan Allam Engineering Service & Specialized Contracting, Fayoum, EGYPT

- Prepare and issue necessary shop drawings for all allocated tasks.
- Discuss and suggest technical proposals for design drawings and resolve conflicts between structural and architectural, making bending list and coordination work.
- Prepare quantity survey for concrete work and any implemented activities by using computer programs or manual.
- Invoices responsible for preparing invoices check sub-contractor invoices, deal with the main consultant.
- Reviews preliminary designs, working drawings, specifications and cost estimates related to the project
- Coordinate design drawings for all disciplines.
- Check quantity surveying works and materials take-off to ensure the accuracy of quantities in the BOQ

Senior Consulting engineer for mega projects at the Ministry of Water Resources and Irrigation

6/2014 –6/2020

- Supervising the implementation of dozens of major infrastructure projects such as Bridges , Box Culverts , Retaining Walls and the Maintenance of this Structures .
- Prepare and issue necessary shop drawings And review it for all allocated tasks.
- Discuss and suggest technical proposals for design drawings and resolve conflicts between structural and architectural, making bending list and coordination work.
- Prepare quantity survey for concrete work and any implemented activities by using computer programs or manual.
- Responsible for preparing Invoices - Quantity Surveying and Bills of Quantities .
- Ensure that the site is supplied with all documentation and materials needed to carry out the works.
- Reviews preliminary designs, working drawings, specifications and cost estimates related to the project .
- Coordinate design drawings for all disciplines.
- Check quantity surveying works and materials take-off to ensure the accuracy of quantities in the BOQ .
- Ensure all work carried out on sites are conforms to standard specifications .
- Supervising work teams of more than 100 employees .

- With over than 2 years of experience in structural design field, involved in more than 50 project in multiple categories , and Implementing projects in various locations .
- Civil Design Works For Towers and Residential Buildings .
- Preparing Bills Of Quantities – Shop Drawings For Various Locations .

### *The most important projects supervised*

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- Completion Of Rehabilitation and Environmental Development Of Wadi Al Sulai And Its Tributaries (Phase-4)
  - *Total Cost of 418 million SAR*
- Executing the preparation and opening of wadi al Barsha,a and its Tributaries in the east of Riyadh City
  - *Total Estimation Cost of 500 million SAR*
- Executing the preparation and opening of wadi Oraid and its Tributaries in the east of Riyadh City
  - *Total Estimation Cost of 500 million SAR*
- Executing the operations of Construction of Sewage Networks and Pump Stations for S.04 Villages ( Sanhour Al Bahiriya )
  - *Total Cost of 50 million EGP*
- Executing the operations of Construction of Sewage Networks and Pump Stations for E.03 Abou Shanab & and E.02 Al Agamiyeen
  - *Total Cost of 50 million EGP*
- Executing the operations of Construction Bridges – Box Culverts – Retaining Walls – Canal Maintenance
  - *Total Cost of 100 million EGP*

## EDUCATION

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**Fayoum University**

*Bachelor of Science : Civil Engineering*

 *Fayoum, EGYPT* | <https://www.fayoum.edu.eg/eng/>

*Field of study : Structural engineering*

## SKILLS

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- *Critical thinking*
- *Strong analytical*
- *a high level of accuracy in calculations and design*
- *Excellent time management*
- *Ability to coordinate more than one project at a time*
- *Highly Skilled using Engineering programs*

## CORE PROFICIENCIES

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Civil 3D

AutoCAD Structural detailing

AutoCAD 2D

Robot

Corridor EZ

Storm Cad

Excel

Primavera P6

Power Point

Word

## LANGUAGES

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*Mother tongue : Arabic*

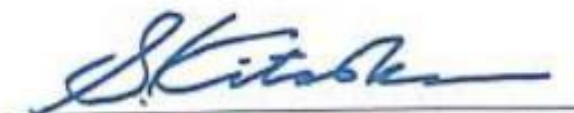
*Other language : English*

*Good command in spoken & written*



*Certificate*

*This is to certify that Mr. ISSA Mohamed Mahmoud Elsayed*  
*has successfully completed Knowledge Co-Creation Program*  
*(Group and Region Focus)*  
*on Maintenance, Operation and Management of Irrigation Facilities(B)*  
*at Tokachi Regional activation support organization*  
*from June 5, 2019 to July 17, 2019*  
*organized by the Japan International Cooperation Agency*  
*under the International Cooperation*  
*Program of the Government of Japan.*



SHIGEO KITACKA  
PRESIDENT  
JAPAN INTERNATIONAL COOPERATION AGENCY  
JAPAN

*Date: July 17, 2019*





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**ICDL**  
International Computer  
Driving Licence

## ICDL Certificate

This is to certify that

**Mohamed Mahmoud El Sayed Isa**

has successfully passed all modules required for the granting of the  
**International Computer Driving Licence**  
Syllabus Version:

**4.0**

*Samia Mashaly*

Date

26/04/2012

Endorsed by Ministry of Communications  
and Information Technology - Egypt

Date

Sans Number

EGY001036861



ICDL  
Foundation

CONSULTANT ENGINEER  
ADEL ZEIN


مكتب  
مهندس استشاري  
عادل زين العابدين أحمد  
رقم العضوية ٧/٩٣ قيد استشاري ١/٣٩٢٥

### شهادة خبرة

يشهد المكتب بأن السيد المهندس / محمد محمود السيد كان يعمل بالمكتب  
وقد تم تكريبه علي أعمال تصميم المنشآت الخرسانية وعلى استخدام  
البرامج الهندسية مثل (SAP 2000) ، (AutoCAD) ، وسيادته مشهوداً له بالكفاءة  
والجهد العالي وحسن معاملة رؤسائه ومرؤوسيه.

وهذه شهادة منا بذلك

مهندس استشاري

  
عادل زين العابدين أحمد

مهندس استشاري  
عادل زين العابدين أحمد  
عضو ٧١١٢ قيد استشاري ١/٣٩٢٥

مهندس استشاري  
عادل زين العابدين أحمد  
عضو ١٣٥٠ قيد استشاري ١/٣٩٢٥