

Fire & Life Safety Portfolio

**Assuring Codes
& Keen Design**

Since 2004

www.ackdconsult.com

Riyadh, Saudi Arabia

ACKD

TABLE OF CONTENT

01 ACKD Overview	02 Previous Projects	03 Projects Approvals	04 On-Site Highlights
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ACKD Overview

Assuring Codes & Keen Design

ACKD Consult is a leading Saudi consultancy firm established in 2004. The head office is located in Riyadh, and the owner and General Manager is Eng. Abdullah Al-Bishr, who holds a consultant degree accredited by the Saudi Council of Engineers (SCE).

ACKD Consult is a multi-disciplinary consultancy firm specializing in AOR, Architecture, Fire Safety, Supervision, and Interior Design.

The firm upholds strong professional standards and high ethical values, taking pride in its professional, coherent, and highly educated team. The experienced staff works closely with customers and clients to understand their requirements and provide top-quality services and sustainable economic solutions within the required timeframes and deadlines.

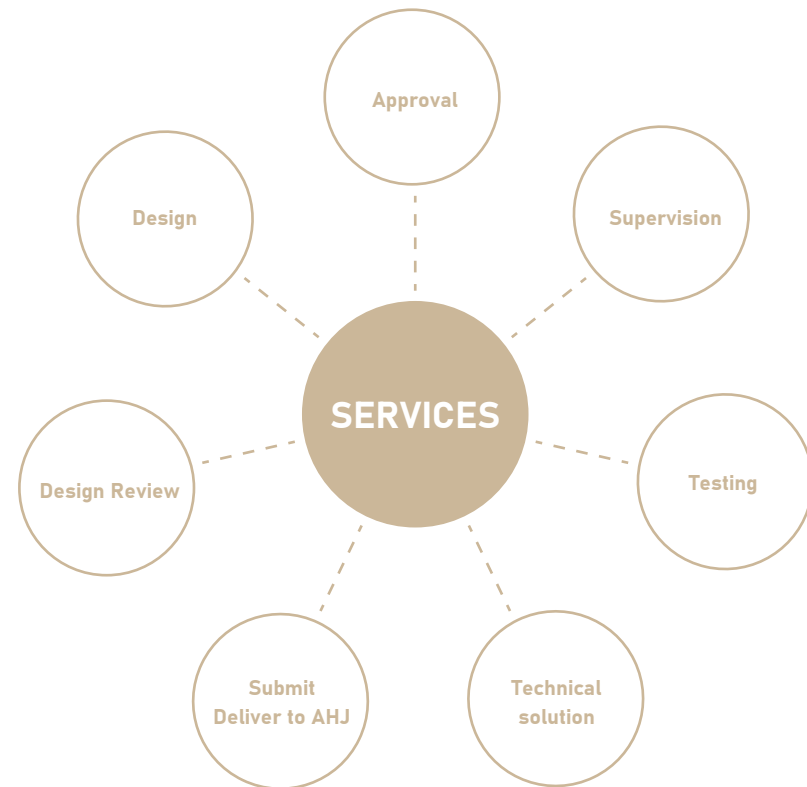
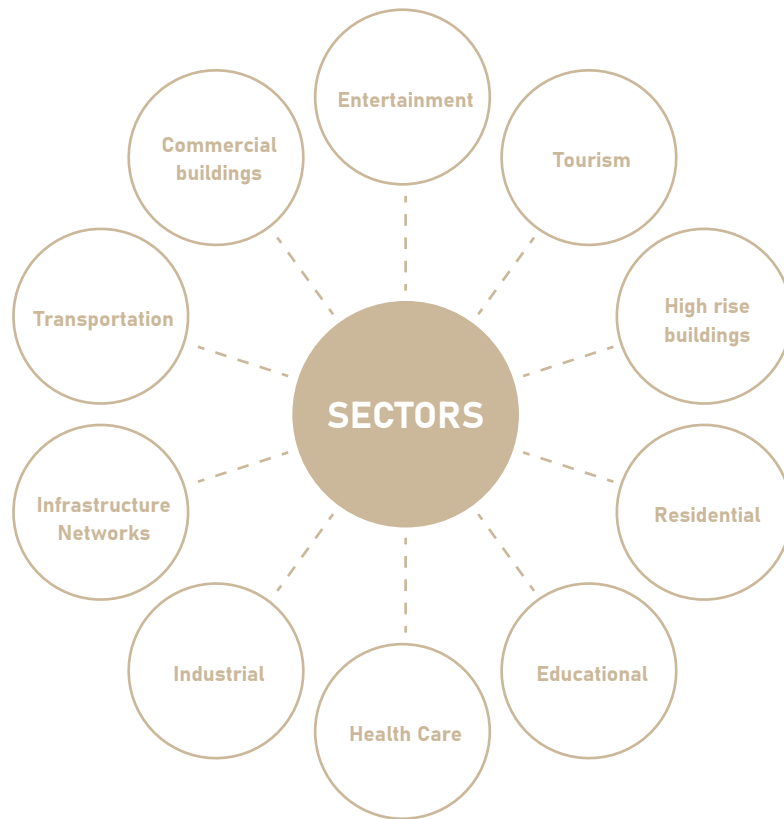
ACKD Consult has also collaborated with several educational and governmental institutions through seminars and workshops to spread technical knowledge, ideas, and values. It aims to nurture and empower the younger generation, helping them better prepare for their careers in alignment with the ongoing renaissance and development efforts in the Kingdom, in line with Saudi Vision 2030 and beyond.



ACKD Overview

SECTORS – SERVICES

ACKD Consult provides engineering Services in the following types of Sectors:



ACKD Overview

ACKD Consult provides the following services in Fire and Life Safety Consulting:



ACKD Consult provide the following Design Services

- > Firefighting systems
- > Fire Detection & Alarm Systems
- > Ventilation and Smoke systems
- > Emergency light and Emergency power.
- > Evacuation routes and plans.
- > Life Safety Plans.

Design Review

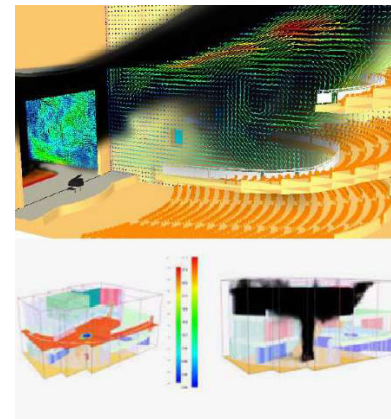
- > Design Review of all fire safety systems

Approval From CD, SAIS, MODON

- > Approval of all FLS drawings and reports from Civil Defense and other AHJ.

Handover Projects to AHJ

- > Hand over All projects to AHJ with a release operation license



Review Fire Engineering Studies

- > Fire & Smoke Modelling.
- > Evacuation Modelling.

Inspection, Testing, and handover

- > Inspect the fire safety system according to the applicable codes.

Supervision

- > Supervision of the installation of fire safety systems.

ACKD Overview

ACKD Consult is approved and certified as a fire protection consultant with:



And approved by many authorities like:





02

Previous Projects

Previous Projects

Jeddah Islamic Seaport

- > ACKD Consult Sow:
Prepare Front End Engineering Design
(FEED Package) for the entire buildings
under Jeddah Islamic Port Authority.



Previous Projects

NEOM Water Reservoir project - SAIS

ACKD scope of work:

- > Design review of fire safety systems.
- > Propose solutions on the design to comply with SAIS requirements.
- > Approval of all fire safety Systems from SAIS.



نيوم NEOM



Previous Projects

SINDALAH ISLAND - CLUSTERS (3,4,6) - 3C STAGE

ACKD scope of work:

- > Design review and Approval of fire safety systems.
- > Design Life Safety drawings.
- > Preparing of Fire strategy report
- > Reply to all life safety CRS until close all the comments .



Previous Projects

AMAALA STAFF VILLAGE - ZONE 06a & 06b

ACKD scope of work:

- > Design review of fire safety systems.
- > Propose solutions on the design to comply with civil defence requirements.
- > Approval of all fire safety Systems installation.



Previous Projects

AMAALA STAFF VILLAGE - ZONE 3& 5

ACKD scope of work:

- > Design review of fire safety systems.
- > Propose solutions on the design to comply with civil defence requirements.
- > Approval of all fire safety Systems installation.



Previous Projects

AMAALA Staff Housing Zone 4

ACKD scope of work:

- > Design review of fire safety systems.
- > Propose solutions on the design to comply with civil defence requirements.
- > Approval of all fire safety Systems from civil defence.



Joint Venture



Previous Projects

SALINE Electrical Generator Building - Tofieh well, Jubail

ACKD scope of work:

- > Prepare Front End Engineering Design (FEED Package) .
- > Review and approval for the installation package .
- > Final handing over to SAIS .



Previous Projects

DIRIYAH GATE PROJECTS – Bujairi

ACKD scope of work:

- > Review and Approval of fire safety Systems.
- > Testing & Inspection of fire safety systems.
- > Handover to Civil Defense.

ACKD works include many restaurants in Bujiri project:

- > VILLA MAMAS
- > ANGELINA
- > HAKKASAN
- > Food Hall
- > LONG CHIM
- > SARABETH
- > CHEZ BRUNO



Previous Projects

Ministry of Culture Headquarters – DIRIYAH

ACKD scope of work:

- > Review/Redesign and Approval of fire safety Systems.
- > Testing & Inspection of fire safety systems.
- > Handover to Civil Defense.



Previous Projects

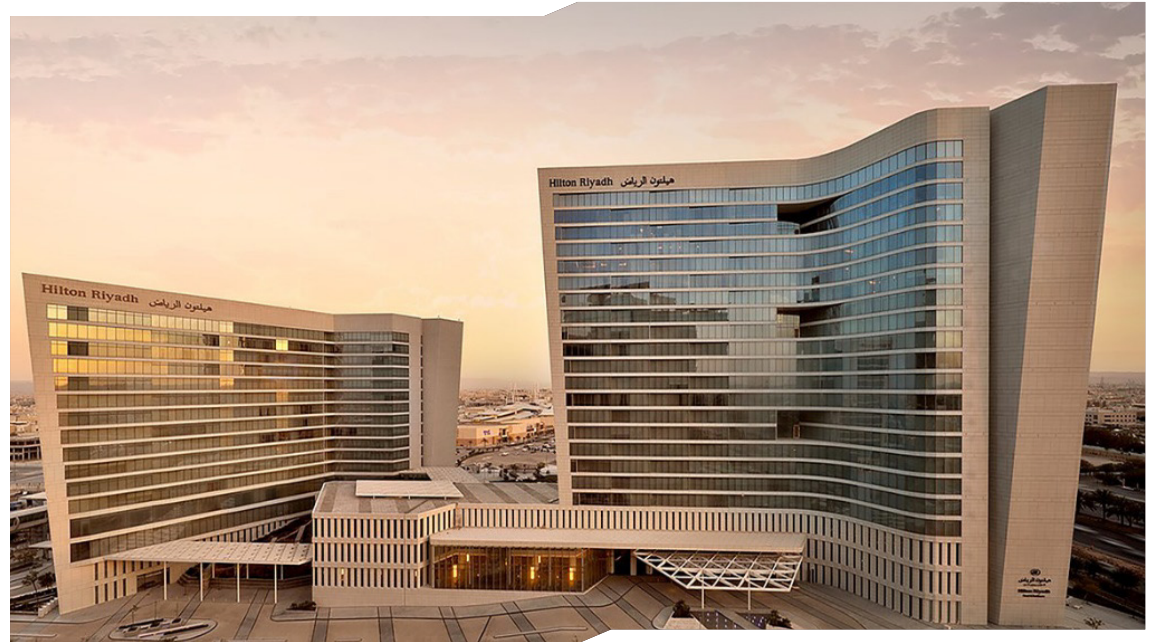
Hilton Riyadh

ACKD scope of work:

Assessment of fire safety systems according to SBC and Hilton requirements..

Redesign of Fire Safety drawings where required.

Preparing FLS BOQ.



Previous Projects

Riyadh Metro Project (Line 5&6 with FAST Consortium).



ACKD scope of work:

Fire & Life Safety design review.

Testing & Inspection of Fire Safety systems.

Handover to Civil Defense.



الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY



Previous Projects

Riyadh Metro Project (Line 3 with ANM)



ACKD scope of work:

- > Fire & Life Safety design review.
- > Testing & Inspection o Fire Safety systems.
- > Handover to Civil Defense.



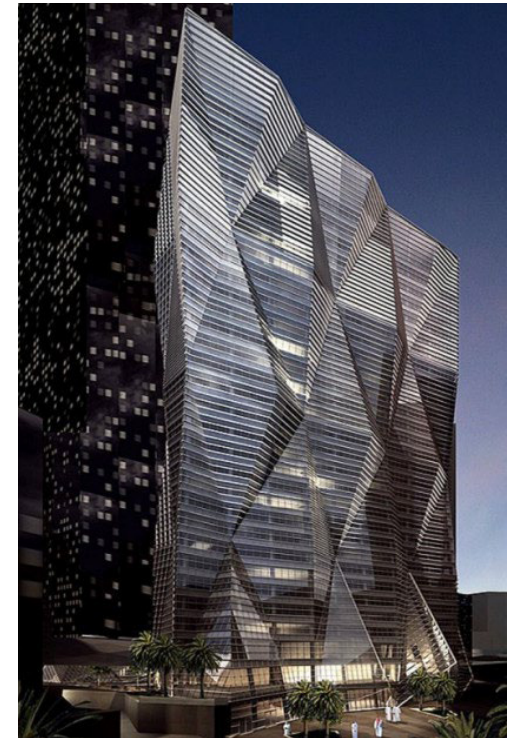
الهيئة الملكية لمدينة الرياض
ROYAL COMMISSION FOR RIYADH CITY



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

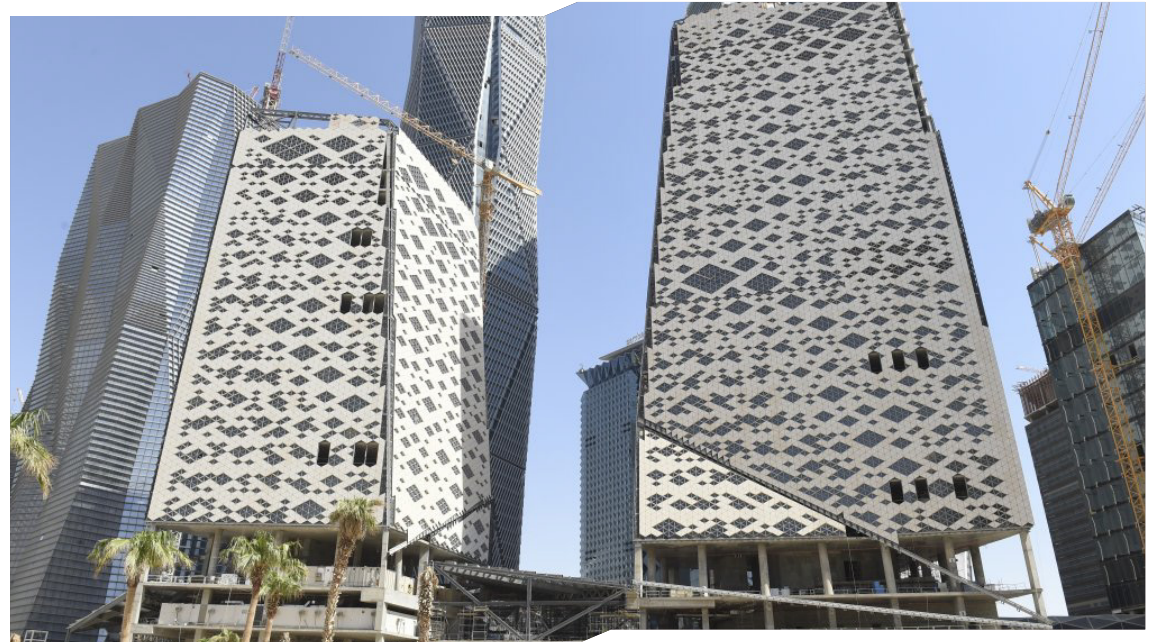
- > KAFD - Tower Building Parcel 1.09
- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense.



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

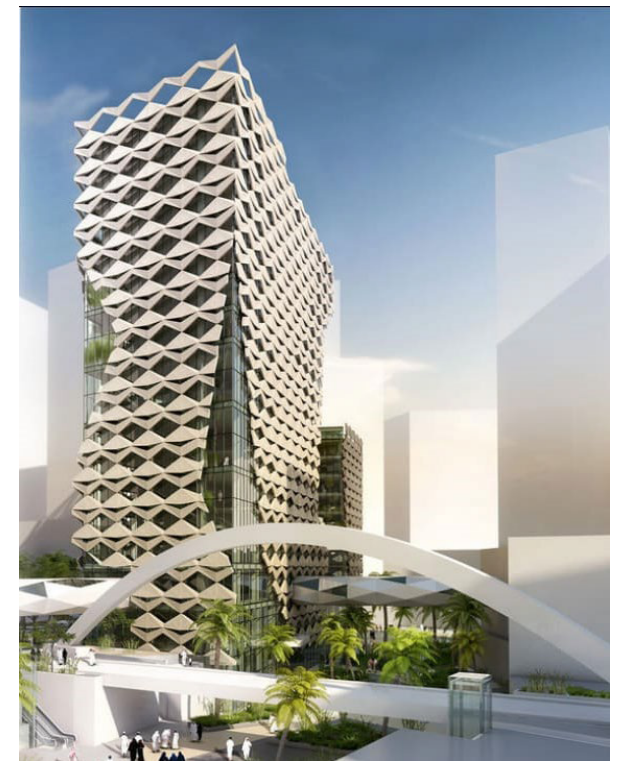
- > KAFD - Tower Building Parcel 1.10
- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

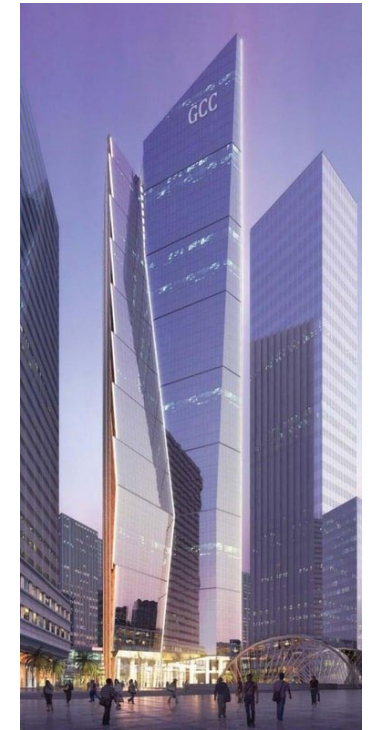
- > KAFD - Tower Building Parcel 1.11
- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense.



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

- > KAFD - Tower Building Parcel 1.14
- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense.



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

- > KAFD - Tower Building Parcel 1.15 (World Trade Centre)
- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense.



Previous Projects

Several Towers at King Abdulla Financial District (KAFD)

- KAFD - Tower Building Parcel 4.10 , 4.09
- ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense.
- Prepare the Fire Strategy Report



Previous Projects

RAFAL TOWER

- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense



Previous Projects

Al Faisaliah Trading Center

ACKD Consult Sow: Fire & Life
Safety design review, inspection,
and handover to Civil Defense



Previous Projects

KINGDOM TOWER

- > ACKD Consult Sow: Fire & Life Safety design review, inspection, and handover to Civil Defense



Previous Projects

NEOM Mobility Hub - 3C STAGE

ACKD scope of work:

- > Design review of fire safety systems.
- > Propose solutions on the design to comply with SBC requirements.
- > Preparing of Fire strategy report
- > Approval of all fire safety Systems.



نيوم NEOM

BEC

شركة بكين الإمارات
Beijing Emirates Company



Previous Projects

RUA ALMADINAH PROJECT

- ACKD Consult Sow:
- Design review & approved of fire safety systems (FLS) according to SBC and Operator requirements.
- The project Includes:
 - 4-star hotel tower
 - Two towers - 3-star hotels.
 - 3-star hotel tower.
 - Office tower.



Previous Projects

BUSINESS HUB

- > ACKD Consult Sow:
- > Design review of fire safety systems (FLS) according to SBC and Operator requirements.
- > Approval of Fire Safety systems from Civil defense.



Previous Projects

Life Safety Consultancy Services for Qiddiya Construction Roads

- > Project scope: Provide life safety consultancy Services for the project as a Scope (A) life safety consultant.



Previous Projects

Qurain Cultural District Main Works (Ritz Carlton & Address Hotel)

- Project scope: design, review, validate, and stamp all fire and life safety drawings including witness all required testing and commissioning of all FLS systems, to Hand over to Civil Defense or any other third party nominated by the Employer.



Nesma & Partners **MAN**
ENTERPRISE
نسما وشركاهم ومان انتربرايز



Previous Projects

Saudi Arabian Museum of Contemporary Art (SAMoCA), Riyadh, SA

- Project scope: review, validate, and stamp all fire and life safety drawings, to Hand over to Civil Defense or any other third party nominated by the Employer.



Previous Projects

NEOM Bay Airport (NUM) Stage 1&2:

- ACKD scope of work:
- Design review and Approval of fire safety systems.
- Preparing of Fire strategy report
Reply to all life safety CRS until close all the comments .





03

Projects Approvals

Projects Approvals

25-FEB-2025 02:48 From: To: 0112536859 Page: 2/2

الرقم /
التاريخ
التوايح

المملكة العربية السعودية
الهيئة العليا للأمن الصناعي
(١٨٩)

الهيئة العليا للأمن الصناعي
Supreme Authority for Industrial Security

Company: National Water Company
Project: Safety & Fire protection Project
Subject: Fire Protection (FEED)

Facility: Saihat Station
Location: Saihat, Eastern Region
Reference: NWC Letc# 1445/7076/107039 dated 1446/7/12

The Supreme Authority for Industrial Security (SAIS) has reviewed Fire Protection Front End Engineering Design (FEED) for The National water Company Submission for Saihat Station in Saihat, Eastern Region. The Declaration of Compliance form was submitted.

SAIS Comments:

- SAIS noted the submitted declaration of Compliance form is signed & stamped by the ISD Manager of the Eastern Region.
- SAIS noted that the submission did not include any deviation requests to be reviewed. Full compliance is assured by the ISD manager of the Eastern Region.

Conclusion:

The National Water Company (NWC) may proceed to the installation package.

437177 14460813
ATA 20250204

Page 1 of 1

19-FEB-2025 19:07 From: To: 0112536859 Page: 2/2

الرقم /
التاريخ
التوايح

المملكة العربية السعودية
الهيئة العليا للأمن الصناعي
(١٨٩)

الهيئة العليا للأمن الصناعي
Supreme Authority for Industrial Security

Company: National Water Company
Project: Fire and Safety Project
Subject: Feed Report Package

Facility: Safwa Station
Location: Al-Qatif Governorate
Reference: NWC Letter 1445/7076/107052 dated 1446/6/11

The Supreme Authority for Industrial Security (SAIS) has reviewed Front End Engineering Design (FEED) package of National Water Company Submission for Safwa Station in Al-Qatif Governorate. The Declaration of Compliance form was submitted.

SAIS Comments:

- SAIS noted the Declaration of Compliance Form signed & stamped by ISD Manager of Eastern Region.
- SAIS noted The National Water Company submission did not include any deviation requests to be reviewed. Full compliance is assured by ISD Manager of Eastern Region.

Conclusion:

NWC shall incorporate the above SAIS Comments and proceed with Installation Package.

437244 14460813
SHD 20250216

Page 1 of 2

الرقم /
التاريخ
التوايح

المملكة العربية السعودية
الهيئة العليا للأمن الصناعي
(١٨٩)

الهيئة العليا للأمن الصناعي
Supreme Authority for Industrial Security

Company: Saudi Ports Authority - MAWANI
Project: Safety and Fire Protection
Subject: FEED Package

Facility: Jeddah Islamic Port
Location: Jeddah City
Reference: Letter: 37/38/1 dated on 1/1/1447 H

The Supreme Authority for Industrial Security (SAIS) has reviewed Saudi Ports Authority (MAWANI) FEED Package submission for Jeddah Islamic Port Project in Jeddah City. The Declaration of Compliance form was submitted.

SAIS Comments:

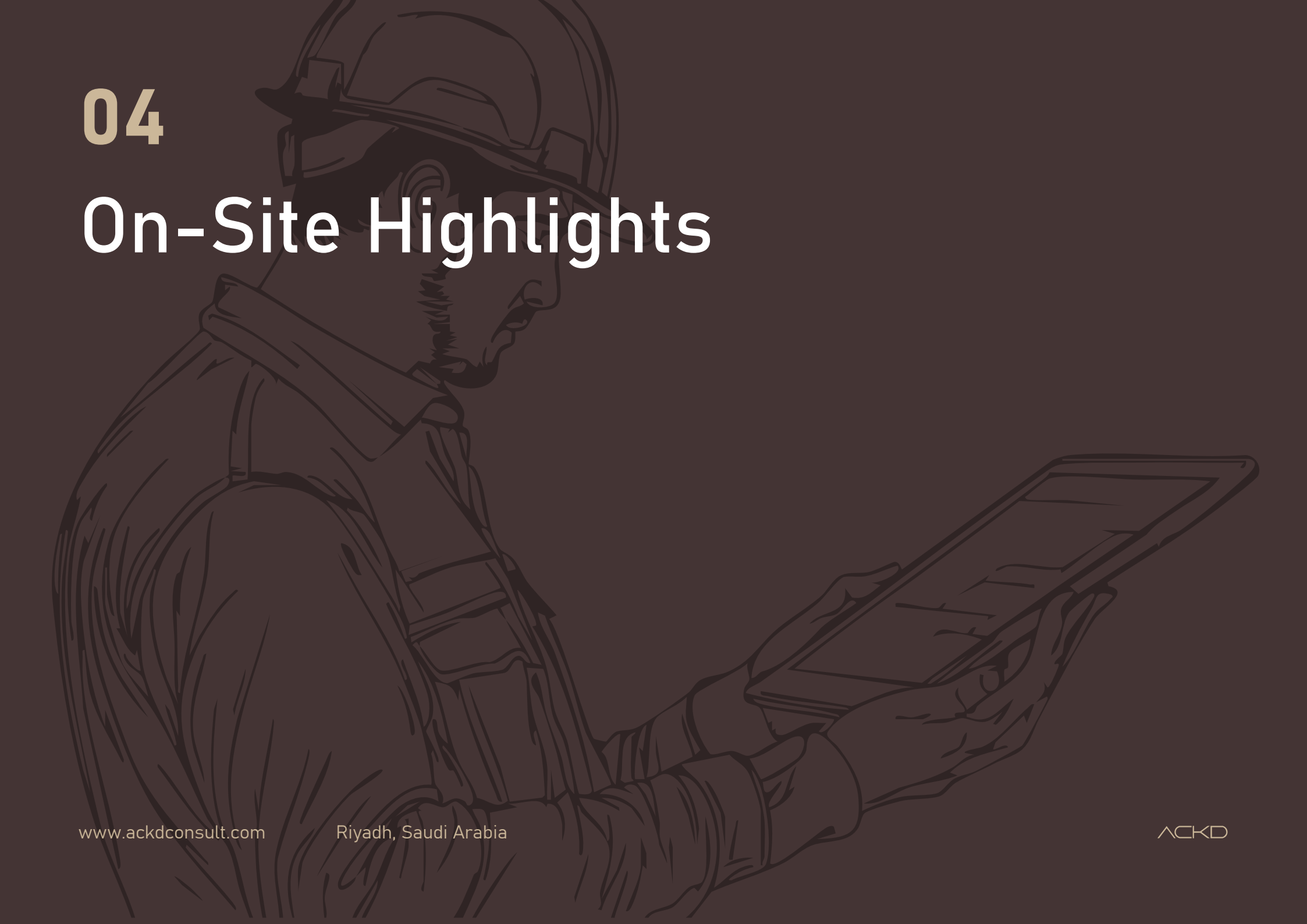
- SAIS noted the Declaration of Compliance Form is signed and stamped by ISD Manager.
- SAIS noted that Saudi Ports Authority (MAWANI) submission did not include any deviation requests to be reviewed. Full compliance is assured by ISD Manager.
- MAWANI Shall ensure the buried valves for plant firewater system mains and branch piping shall be post indicator type.
- MAWANI Shall revise and ensure transformers shall be provided with Water spray system and 2-hour fire rated construction as per SAF -19 in next submission.

Conclusion:

MAWANI shall incorporate the above SAIS and proceed to installation package.

2784 14490101
SHD 20250706

Page 1 of 1



04

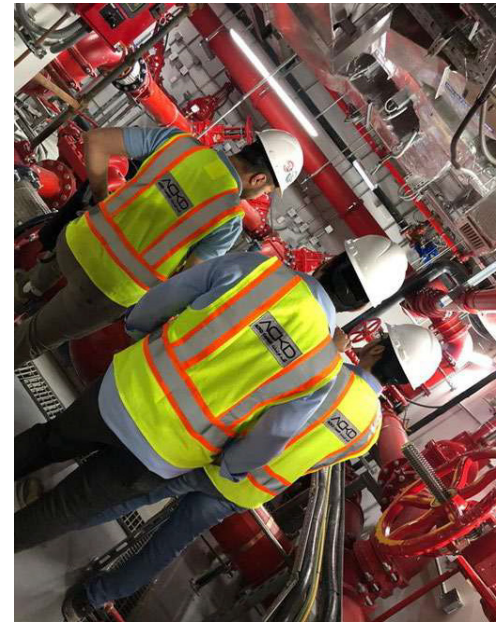
On-Site Highlights

SITE INSPECTIONS METHODOLOGY

After completing the installation, the Inspection and testing are required from the CD consultant.

The SOW of the CD consultant at this stage includes:

- Inspection of installation of fire safety systems to ensure the installation of fire safety systems matches the approved drawings and follows the applicable codes and standards.
- Attending the integrity testing of all fire safety systems to ensure the operation of the system matches the applicable codes and standards and follows the sequence of operation (C&E matrix).



PROTOCOL BETWEEN THE FLS CONSULTANT AND CIVIL DEFENSE

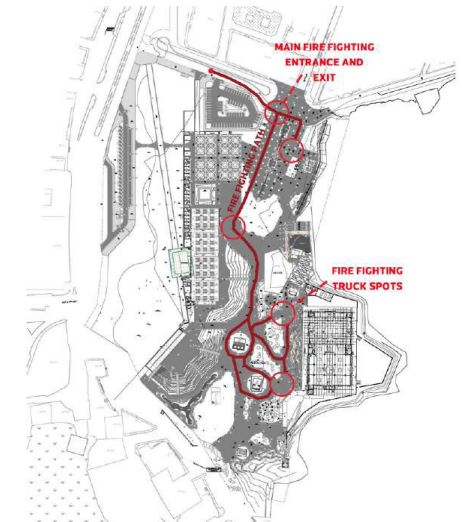
The Civil Defense relies on the FLS consultant to review and approve the drawings (the Civil Defense does not directly review or approve the drawings), based on CD Letter No. 343260, dated 01/04/2023, unless otherwise requested for critical projects.

ACKD Consult is approved by Civil Defense and serves as the main point of contact between Civil Defense and the client.

HANDLING NONSTANDARD BUILDINGS

ACKD's experience extends from industrial facilities—including manufacturing operations and large machinery in HCIS projects—to heritage buildings such as those in DIRIYAH, Jeddah, and Madinah.

ACKD applies relevant codes, such as the Saudi Historical Building Code (SBC 902), along with other applicable regulatory codes.



DETAILED SERVICES

- ACKD scope extends to Supervision, Review of shop drawings, Review of Material Submittals, Monitor Testing, and Commissioning.
- The Supervision of the installation of the fire safety systems is according to the applicable codes and standards and best practices.
- ACKD reviews and approves the material submittal of fire safety systems as per SBC and related codes and standards.
- The Inspection of the fire safety system confirms matching approved drawings and codes.
- ACKD reviews the cause-and-effect matrix and integration of FLS systems.

THANK YOU

CONTACT INFO

ACKD scope of work

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