



## Buildings Capability Statement



# **Buildings Capability Statement**

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- ❖ JEDDAH
- ❖ JUBAIL
- ❖ YANBU



# TABLE OF CONTENTS

1.	Summary	3
2.	General Capabilities of Alrabiah	4
3.	The Buildings Capability	5
4.	Project References	13

## 1. Summary

Alrabiah Consulting Engineers (ARE) was established in 1988 as a professional engineering firm in Dammam, Saudi Arabia. The company operates as a 100% Saudi consulting firm.

Alrabiah Consulting Engineers has shown steady growth through careful marketing and selective tendering of projects best suited to the range of services offered. "ARE" is able to offer Clients the full range of services and fields of expertise in general engineering works. These services range from the early planning and conceptual development through detailed design and analysis, preparation of contractual documents, appraisal of costs, to construction supervision and quality assurance.

Drawing on our substantial experience spanning a range of building, marine, airport, civil engineering projects and bridge structures and implementing this in the development of project specifications, combined with supervision of site activities, we aim to deliver the highest standards of service in the fields of civil and electro-mechanical engineering to a wide and varied client base here in Saudi Arabia.

Besides the above main services, the Company has forayed into specialized fields such as Value Engineering, Project Cost Analysis, Contract Administration, Arbitration, Claims Preparation and Risk Assessment & Analysis.

ARE is a leader in the field of structural investigation and rehabilitation, the core business on which the Company in Saudi Arabia was originally founded. We aim to provide our clients with a service of real value, providing solutions that will provide our clients very significant cost savings, especially in the longer term.

ARE is also successful in Project Management having undertaken many assignments including new build and complicated rehabilitation projects. ARE's list of completed projects includes clients in the Private, Semi-government and Government sectors covering structures for Domestic, Commercial, Education, Retail, Defence, Leisure, Industrial/Petrochemical, Health and Transportation.

## 2. Alrabiah's General Capabilities

“ARE” has developed a wealth of experience and expertise throughout a range of engineering fields. For any given project, a suitable team of specialists can be assembled to ensure the necessary experience and particular expertise is available for the collection, analysis and presentation of relevant data. “ARE” offers comprehensive services in a wide range of engineering activities including:

- Detailed Design of Buildings & Infrastructure
- Structural Assessment and Rehabilitation
- Project Management and Supervision
- Design Review and Service Life Study
- Traffic and Transportation Studies
- Risk/HAZOP/RAM/BRA, etc. Studies

“ARE”'s head office and regional offices employ specialist engineers covering most engineering disciplines.

“ARE” is a leader in the field of structural investigation and rehabilitation. It aims to provide its clients with a service of real value, and providing solutions that will help its clients gain very significant cost savings, especially in the longer term.

### **3. The Buildings Capability**

ARE provides wide ranging expertise in the design of City Town Planning & Design, commercial, educational, industrial residential, Health Care, infrastructure, airport and various marine projects from breakwaters to major bridge projects including all the M&E facilities. We are able to produce the most cost-effective design solutions by selecting the most appropriate materials and structural form, to ensure that the structures are both functionally and aesthetically successful.

ARE offers comprehensive design packages including tender documentation for Housing Apartments, Commercial Complexes, Recreational facilities, Hotels, Hospitals, Schools and Stadiums.

The services offered range from the planning and feasibility study to the architecture, structural design, interior design and landscaping solutions. We also provide the design for all mechanical and electrical facilities associated with the above structures.

We provide the Client with comprehensive tender documents for civil and electro-mechanical works comprising BoQ, drawings and specifications for materials & execution.

Quality Assurance procedures which are integrated in our work ensure that our services contribute to attaining the levels of quality our Clients demand.

ARE's consultancy services concerning building and building plant are wholly determined by our Clients' requirements.

We are our Clients' sparring partner from the initial conception of the planning idea; we assist in selection of site, evaluation of construction methods and costs of various alternatives. We follow jobs through to completion with task orientated assistance. We can continue as technical consultant, on call in operational situations, and can provide engineers if necessary to supplement the Clients' own staff.

We have assisted with the development of new, safe and economic design solutions in numerous projects. In our design work, we use an advanced EDP/CAD system for computations, graphic modelling, document generation and database management.

Quality assurance procedures, which are integrated in our work, ensure that our services contribute to attaining the levels of quality our Clients demand.

### **Consultancy Services to Industry**

These services include amongst others logistics, process and product development, computer technology and economic analyses.

### **Scope of Service**

ARE offers a comprehensive range of consulting services related to Buildings Projects.

ARE provides a unique combination of experience and technical expertise capable of providing specialist support in all aspects of industrial engineering and planning including feasibility studies, design, tendering, construction management, supervision, maintenance and engineering economics.







### **Internal Environment Consideration**

ARE gives due importance to comfort and indoor environment, which depend on various factors, such as selection of materials and quality of ventilation/air conditioning system. The great demands for flexibility of layout and data communications are also catered for.

**ARE Buildings Capability Services** further covers the following:

#### **Design Services**

We offer design services for:




-  *Housing*
-  *Commercial*
-  *Educational*
-  *Industrial*
-  *Medical*
-  *Recreational buildings & facilities*

The services include the design for the following:

-  *Architecture*
-  *Structural*
-  *Civil*
-  *Mechanical*
-  *Electrical*
-  *Telecommunications*
-  *Instrumentation*
-  *Interior design and landscape*





### **Project management Capability**

Our project management services can cover the whole life cycle of projects, with the provision of effective engineering specialities management, and using the most advanced IT software to ensure project success such as:

-  *Primavera*
-  *PMWeb*
-  *BIM*

### **Design Software**

We are using the most advanced Software for delivering the best services. Such as:

-  *AutoCAD 2015 – Revit/BIM/Microstation*
-  *PTV VISSIM, Trans Cad, HCS, Synchro and SIDRA, HI – SAFE, Auto turn*
-  *STAAD Pro*
-  *HAP (hourly analysis program), Trace, Elite*






### **Design Management Process**

The “ARE” Design Management Process consists of:

1. *QA Procedures - ISO-9001: Internal Quality Management System that is audited and verified by independent certification body*
2. *Design Roadmap – checklists that cover the whole project life – from initiation to closing.*
3. *File Management– categorisation of information that links processes.*

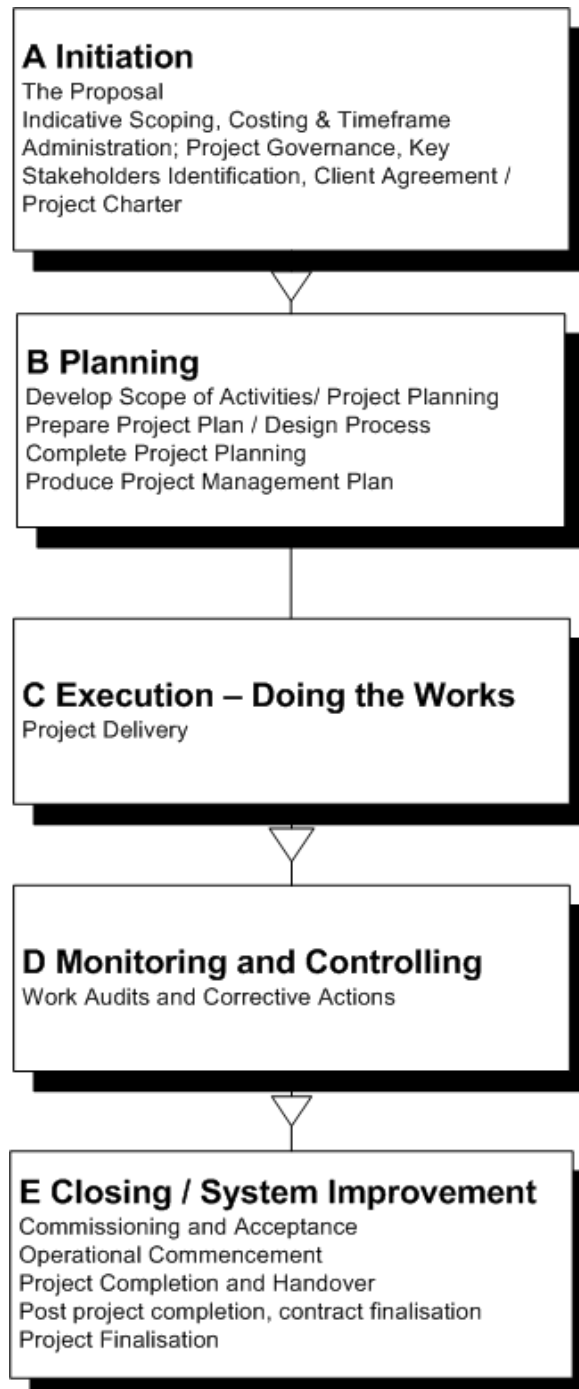
### **Design Roadmap**

The design process path follows:

-  *Project Initiation – The Proposal Stage*
-  *Project Planning*
-  *Execution – ‘Doing the Works’*
-  *Monitoring and Controlling – ‘Checking the Work is Done Right’*
-  *Closing – Handover and System Improvement*

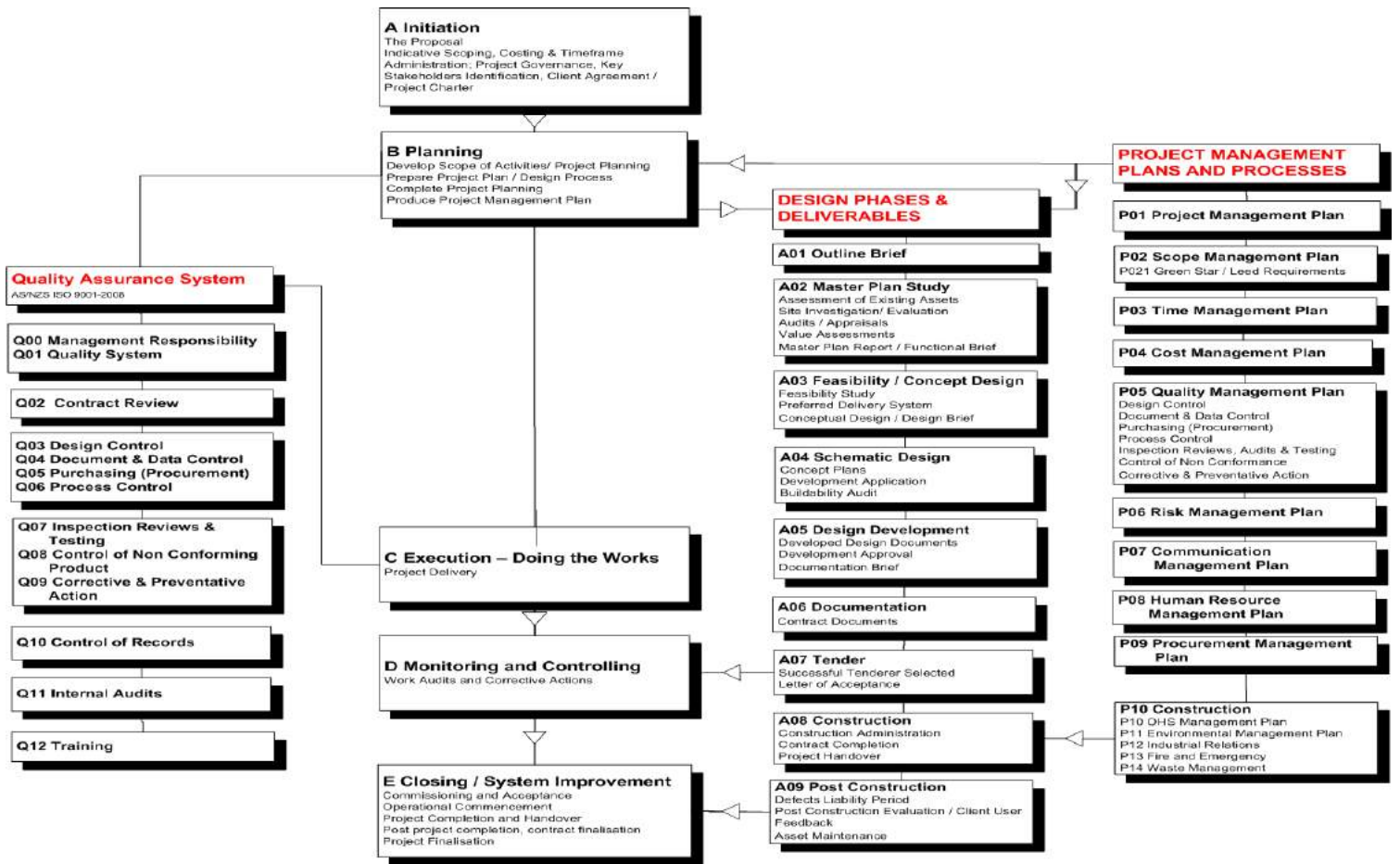


*These processes are generic project 'process' steps as established by the Project Management Institute (PMI):*












# Overview of System

-shows how the different processes are linked



## **Project Planning – example**

### Step 1. Complete Project Planning SCOPE





-  *Achieve Common Agreement of Project Objectives/Requirements*
-  *Identify Key Project Activities*
-  *TIME -Develop Project Program*
-  *COST - Develop Project Budget/Invoicing Plan*
-  *RISK/ ISSUES - Issue/Risk Identification and Management*
-  *QUALITY - Project Quality Plan , Process Control, Document Control*
-  *COMMUNICATION - Project Stakeholders, Establish Communication Plan*
-  *RESOURCES - Allocate Project Resources, Appoint Sub-Consultant , Roles and Responsibilities*
-  *GOVERNANCE - Project Governance , Project Change Process*

### Step 2. Produce Project Management Plan





### Step 3. Procure Additional Resources - Sub-Consultants

## **Execution – “Doing the Works”**

### Step 1. Prepare Options and Select Preferred Option

-  *Project Kick Off Meeting – In-house*
-  *Complete Admin Requirements*
-  *Project Meeting/Consultations*
-  *Prepare Options for Client Review 10% and Select Preferred Option*

### Step 2. Value Engineering

-  *Review how the project’s required functions, objectives, purposes, cost and value are to achieve,*
-  *Asses in terms of cost/quality/function or amenity*
-  *Asses by rating - excellent/very good/good/average/poor*
-  *Recommend best value option*

### Step 3. Develop Preliminary Design/Design Documentation

-  *Develop Preliminary Design/Design Documentation*
-  *Client Reviews; 30% and 60%*
-  *Produce Developed Design*
-  *Produce Final Design Package*
-  *Obtain Statutory Approval*

#### Step 4. Contract Documentation

- *Prepare Bid Documentation*
- *Client Reviews; 90%, 100% and IFP (Final)*
- *Building Compliance and Certification Overview*
- *Issue to Client for Review/Approval*

#### **Monitoring and Controlling – “Checking the work is done right”**

##### Step 1 Conduct Quality Audit of Work

- *Categorize errors/non conformances detected and record*

##### Step 2 Control of Records

##### Step 3 Work Audits and Corrective Actions

- *Review/Inspect all documents prior to handing over to the client*
- *Document non-conformance and apply Corrective Action - investigate non-conformance's relating to product, process and record the results.*
- *Rectify non-conformance's*

##### Step 4 Training

- *Review corrective action measures and determine if these are applicable to other projects*
- *Maintain and document procedures*
- *Maintain training records.*

#### Closing the works

##### Step 1. Handover


- *Contract finalization and Post project completion*
- *Pre-Completion-Omissions/Defects/Nonconforming work, Rectify defective Works/Omissions*
- *Issue of Completion Contract Documents*
- *Handover all required documents to client*
- *Post Completion*

##### Step 2 Complete Administration Activities


- *Return all project ID's and permits*
- *Obtain completion certificate*
- *Issue Final Account Advice*

Step 3. Project Finalization

 *Complete the Project Fact Sheet*

 *Complete Lessons Learnt Register*

Step 4. System Improvement

 Projects References (See Page 13 onwards)

## **4. Projects References**



## Alrabiah Project Experience



Project Name	AKWA High School for teaching industrial trades in Douala, Republic of Cameroon " Design and Supervision"
Client	Ministry of Secondary Education, Republic of Cameroon
Location	Douala, Republic of Cameroon
Year	2022 – Ongoing
Project Value	SR 1.7 Million

The Republic of Cameroon has obtained funds from the Saudi Fund for Development (SDF) to finance the project. For the Architectural and Technical Studies as well as the Construction Management of the project to build and equip government high school, AKWA, for the teaching of industrial trades in the city of Douala in Cameroon. The consultancy services include the following:

1. Development of details studies which covers Topographic studies, Architectural Studies, Geotechnical studies, execution plan and preparation of estimates.
2. Preparation of tender documents.
3. Control of the execution of works for Construction Management / Supervision.



## Alrabiah Project Experience



Project Name	<i>“Project Management Services” for HOP and Community Facilities</i>
Client	SATORP
Location	Jubail
Year	2022 (Extended) - Ongoing
Project Value	OPEN

*Saudi ARAMCO Total Refinery Co. Ltd. (SATORP) awarded “ARE” a ‘PMS’ contract extension to provide project management services during the design & construction of House Ownership Program and Community Building in their facility in Jubail. The works mainly involve checking the performance of design documents by the design consultant, and supervise the execution works by the construction contractor on site. The project has a potential to form a team of more than twenty engineers including Project Manager, Contracts Manager, Building Management Specialist, Sr. Scheduler, Sr. Material Engineer, etc. The works also include all disciplines viz. civil, architectural, landscaping, interior design, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc.*





## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Architectural &amp; Technical Studies and Monitoring of Works for the Extension of the University of Bangui (Central African Republic) "Design and Supervision"</i>
<i>Client</i>	<i>Ministry of Economy (CAR)</i>
<i>Location</i>	<i>Bangui, Central African Rep.</i>
<i>Year</i>	<i>2020 – Ongoing</i>
<i>Project Value</i>	<i>SR 3 Million</i>

*The Central African Republic has obtained funds from the Saudi Fund for Development (SDF) to finance the project. The project is the construction of two (2) blocks capable of accommodating 600 students each, a new university residence and a boundary wall. The consultancy services include detailed design of all disciplines, and construction management/supervision.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Architectural &amp; Technical Studies and Monitoring of Works for the Rehabilitation of the Marie Jeanne CARON High School in Bangui (Central African Republic) "Design and Supervision"</i>
<i>Client</i>	<i>Ministry of Economy (CAR)</i>
<i>Location</i>	<i>Bangui, Central African Rep.</i>
<i>Year</i>	<i>2020 - Ongoing</i>
<i>Project Value</i>	<i>SR 1.077 Million</i>

*The Central African Republic with funds from the Saudi Development Fund (SDF) to finance the Project. The project is rehabilitation of two main buildings and their equipment to accommodate 3,000 students, and construction of a perimeter wall. The consultancy services include detailed design of all disciplines, and construction management/supervision.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Construction and Equipment of a Polyclinic Hospital with 250 beds in Central African Republic "Design and Supervision"</i>
<i>Client</i>	<i>Ministry of Economy (CAR)</i>
<i>Location</i>	<i>Bangui, Central African Rep.</i>
<i>Year</i>	<i>2020 - Ongoing</i>
<i>Project Value</i>	<i>SR 2.975 Million</i>

*The Central African Republic has obtained funds from the Saudi Development Fund (SDF) to finance the Project. The project is construction and equipping of a 250-bed Polyclinic Hospital. The consultancy services include detailed design of all disciplines, and construction management/supervision.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Saudi – Yemen Border in Khadra - Residential, Administrative and other Infrastructure facilities “ Design and Supervision”</i>
<i>Client</i>	<i>Ministry of Finance, Riyadh</i>
<i>Location</i>	<i>Khadra</i>
<i>Year</i>	<i>2012 – Ongoing</i>
<i>Project Value</i>	<i>SR 700 Million</i>

*The Ministry of Finance appointed “ARE” to do the comprehensive design of the various different facilities to be built in Khadra (Saudi - Yemen Border) area for the MOF staff. The buildings comprised of various facilities for staff, administration, housing compound, office facilities, customs building, border checking facilities, security systems, etc. The work involved development of the client's conceptual design to working drawings, planning issues, and preparation of tender documents for construction. “ARE” is also involved in tender assessment and also supervision of the structures that are being designed for execution..*



# Alrabiah Project Experience

Project Title: Ministry of Finance  
Buildings in Khadra – Design and Supervision (Saudi Yemen Border)

## المدينة السكنية بمنفذ الخضراء



المجمع السكني (10 وحدات سكنية)

المملكة العربية السعودية  
وزارة المالية



الإدارة العامة للمجمعات الحكومية  
إدارة المشاريع

إعداد الدراسات والتصاميم  
والإشراف على التنفيذ لمشروع  
المدينة السكنية بمنفذ الخضراء

الإستشاري:



الربيع  
استشارات وخدمات هندسية





# Arabiah Project Experience

## المدينة السكنية بمنفذ الخضراء



الضيافة



الوحدة السكنية



الإدارة



سكن الإمام والمؤذن

المملكة العربية السعودية  
وزارة المالية



الإدارة العامة للمجمعات الحكومية  
إدارة المشاريع

إعداد الدراسات والتصاميم  
والإشراف على التنفيذ لمشروع  
المدينة السكنية بمنفذ الخضراء

الاستشاري:



الربيعية  
استشارات ومخططات هندسية





## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Ministry of Finance Saudi Qatar Border in Odaid - Facilities, "Design and Supervision"</i>
<i>Client</i>	<i>Ministry of Finance, Riyadh</i>
<i>Location</i>	<i>Odaid</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 650 Million</i>

*The Ministry of Finance appointed "ARE" to do the comprehensive design of the various different facilities to be built in Odaid area for the MOF staff.*

*The buildings comprised of various facilities for staff, administration, housing compound, office facilities, customs building, border checking facilities, security systems, etc. The work involved development of the client's conceptual design to working drawings, planning issues, and preparation of tender documents for construction. "ARE" was also involved in tender assessment and also supervision of the structures that are being designed for execution.*



# *Alrabiah Project Experience*

Project Title: Ministry of Finance  
216 Housing Units at Al Odaid Exit







## *Alrabiah Project Experience*

Project Title: Ministry of Finance  
216 Housing Units a Al Odaid Exit





# Alrabiah Project Experience

Project Title: Ministry of Finance  
Buildings in Odaid – Design and Supervision (Saudi Qatar Border)



المالك  
الهيئة العامة للغمرات والجمارك  
وزارة المالية  
إدارة المطارات



اسم المشروع  
منفذ الحدود الجديد  
القطعة الخطية بمنطقة دخوان وخروج  
الركاب



الإستشاري  
الربيعية  
مستشار ومصمم هندسي



المالك  
الهيئة العامة للغمرات والجمارك  
وزارة المالية  
إدارة المطارات



اسم المشروع  
منفذ الحدود الجديد  
القطعة الخطية بمنطقة دخوان  
وخروج الركاب



الإستشاري  
الربيعية  
مستشار ومصمم هندسي





## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Engineering Services Contract for 3 years "General Engineering Services"</i>
<i>Client</i>	<i>ARAMCO Gulf Operations Co. (AGOC), Khafji</i>
<i>Location</i>	<i>Khafji</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 4 Million</i>

*The ARAMCO Gulf Operations Co. (AGOC), appointed "ARE" to provide general engineering services for the comprehensive design of the various buildings, bridges, roads, facilities, infrastructure to be built in Khafji. The works involve development of the client's conceptual design to working drawings, planning issues, and preparation of tender documents for construction. The works also include all disciplines viz. civil, architectural, landscaping, interior design, plumbing, sanitary, HVAC, roads, FFS, FAS, electrical, etc.*



## Alrabiah Project Experience

<i>Project Name</i>	<i>School in Jalmudah Phase 2, 4 Buildings for Boys &amp; Girls Secondary &amp; Intermediate School "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2009 - 2010</i>
<i>Project Value</i>	<i>SR 3,573,375</i>

*The Contract consisted of procurement and construction of four (4) schools in Jalmudah, Jubail Industrial City. The four (4) buildings consisted of the following: Boys Intermediate School Girls Intermediate School Boys Secondary School Girls Secondary School The design of the school buildings is generally patterned from the existing school buildings in Jalmudah with some minor modifications as required by the Education Department. The intermediate schools for boys and girls had almost identical building' area, however the lot area for the Boys Intermediate School is bigger than the Girls' Intermediate School due to the provision of outdoor sports facilities. Similarly, the secondary schools for boys and girls had almost identical building area but with bigger lot area for the boys school. The main scope of this Contract was the construction of four (4) single storey buildings with varying building area and lot sizes, complete with perimeter fence, guard houses, parking area and access roads. All sites were to be developed by filling, compaction and grading to the required elevations. The buildings were composed of cast-in-place reinforced concrete with pre-cast concrete as external claddings. Internal partitions are generally concrete masonry units.*

*All buildings were provided with services such as potable water supply, sewage, storm water drainage system, power and lighting, telecommunication, CATV, CCTV, LAN, public address, HVAC, fire detection and fire protection system and building management system. Outdoor sports facilities were provided in the boys schools. The buildings were to be furnished with the required furniture and should be ready for use by the Education Department upon completion of the Contract.*



## Alrabiah Project Experience



Project Name	King Abdullah Project for Waad Al-Shamaal City Development "General Engineering Services"
Client	Ma'aden
Location	Ras Al Khair
Year	2013 - Ongoing
Project Value	SR 2 Million

*The Saudi Mining Co. (Ma'aden), appointed "ARE" to provide general engineering services for the comprehensive design of the various housing and infrastructure facilities including bridges, roads, facilities, infrastructure to be built in Ras Al-Khair. The works involved development of the client's conceptual design to working drawings, planning issues, and preparation of tender documents for construction. The works also included all disciplines viz. civil, architectural, landscaping, interior design, plumbing, sanitary, HVAC, roads, FFS, FAS, electrical, etc.*



## Alrabiah Project Experience



Project Name	AlFozan Autism Center "Design & Supervision"
Client	Fozan Al Fozan
Location	Al Khobar - KSA
Year	2015
Project Value	SR 2.35 Million

*Al Fozan appointed "ARE" to prepare IFC design package for the construction of the Autism Center Building, in Khobar. Later appointed "ARE" to provide supervision services also for the construction of Autism Center in Khobar*

*The building comprised of various facilities for staff, administration, children's hostel facilities (boys & girls), halls, training facilities, etc. The work involved detailed design and preparation of IFC package to invite potential bidders for the construction of the facility. The works included all disciplines viz. civil, landscaping, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc.*

*For Supervision, The works mainly involved checking whether the execution on site is undertaken as per the project contract documents. The activities include inspection of all activities on site, approval of materials, etc. The project is being executed by a team of engineers including all disciplines viz. civil, architectural, mechanical, electrical, etc.*



# Alrabiah Project Experience

Al Fozan - New Autism Building Dammam



Exterior Views



Interior View

## Alrabiah Project Experience



Project Name	IC Bldg 1010 Replacement "Design Services"
Client	KAUST, Thuwal
Location	Thuwal
Year	2013
Project Value	SR 1,640,000

*KAUST appointed "ARE" to IFP design package for the IC building 1010, to be built within the university premises.*

*The building comprised of various facilities for staff, administration, etc. The work involved modification of the existing IFC design to IFP design package. The works included all disciplines viz. civil, architectural, landscaping, interior design, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc.*





## Alrabiah Project Experience



Project Name	New College of Medicine – 3 Buildings “Design Services”
Client	Ministry of Higher Education
Location	Al Hassa
Year	2002
Project Value	SR 1.6 Million

*King Faisal University appointed Alrabiah Consulting Engineers to design the College of Medicine in Al-Hassa, which comprised of three (3) double storey buildings viz. the Male Students building, the Female Students building and the Central building with a total constructed area of approximately 12,000 m<sup>2</sup>.*

*The Central building houses all the laboratories, dissection halls and museums while the Male and Female student buildings house the teaching facilities and faculty offices. The design was based on the space requirements of the college incorporating the specific functional aspects especially the complete segregation of male and female students in all aspects of Medical Education.*

*The buildings were designed to incorporate Pre-cast Concrete Construction Technology to gain construction time and Quality Control.*



## Alrabiah Project Experience



Project Name	Kindergartens & Schools in Jalmudah, Phase 5 (4 Buildings) "Design Services"
Client	Royal Commission
Location	Jubail Industrial City
Year	2010 - 2011
Project Value	SR 1,551,779

The main scope of this Contract was the construction of two (2) Kindergartens, one (1) Girl's Secondary School and one (1) Girl's Elementary School. The Kindergarten (A4-9) had a lot area of approximately 3,964 square meters while the Kindergarten (A4-10) has a lot area of approximately 4,324 square meters. Each Kindergarten had a building area of 1,025 square meters. The Girl's Elementary School had a lot area of approximately 26,085 square meters while the Girl's Secondary School had a lot area of about 30,129 square meters. The Girl's Elementary School had a building area of 6,792 square meters while the Girl's Secondary School had a building area of about 10,597 square meters. Both schools were provided with a shaded courtyard and a multi-purpose hall. The buildings were designed with robust roof, floor, slab-on-grade, walls, framing, and finishes, which shall maximize form, function, economy, ease and speed in construction, availability of materials and labour, thermal insulation, sound attenuation, fire resistance and energy efficiency. The floor plans and Site layouts maximized area available. Material and building elements were selected to enable and facilitate rapid construction.

The Kindergartens and School buildings were provided with services such as potable water supply, sewage, storm water drainage system, power and lighting, telecommunication, CATV, CCTV, LAN, public address, HVAC, fire detection and fire protection system and building management system. The buildings were to be furnished with the required furniture and should be ready for use by the Education Department upon completion of the Contract.



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>New Sales Office &amp; Showroom in Riyadh "Design Services"</i>
<i>Client</i>	<i>Grundfos</i>
<i>Location</i>	<i>Riyadh</i>
<i>Year</i>	<i>1998</i>
<i>Project Value</i>	<i>SR 1.3 Million</i>

*Grundfos appointed Alrabiah Consulting Engineers to do the comprehensive design of the new showroom in Riyadh.*

*The building comprised of showroom and offices with training facilities. The work involved development of the Client's conceptual design to working drawings, planning issues, tender and project management of the construction phase.*

*Later, ARE was also appointed by Grundfos to perform the project management during the construction works.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>City Plant Nursery &amp; Medical Warehouse "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2010</i>
<i>Project Value</i>	<i>SR 1,259,351</i>

*The scope of work for this task release was to complete a detailed engineering design and prepare a full RFP package for Contract : "P&C of City Plant Nursery & Medical Warehouse" as per the Contract requirements, including: site utilities infrastructure, hardscaping, fit-for-purpose building design, site canopies, both fixed and portable building furniture layout and supply, building equipment and all items and elements incidental or otherwise to such a development. The primary irrigation mains for the City Plant Nursery site were part of the site utilities infrastructure of this task.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Two Kindergarten Schools in Jalmudah, Phase 7 "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 974,563</i>

*The main scope of this Contract was the construction of two (2) Kindergarten Schools. Each school had different lot areas but have the same building area of 1,529 square meters. The first Kindergarten School (A1-5, Lot 771) had a lot area of 4,278 square meters and the second Kindergarten School (A3-10, Lot 309) had a lot area of 4,670 square meters. Each school was provided with offices, typical classrooms, play areas and a Multi-Purpose Hall. The buildings were designed with robust roofs, floors, slab-on-grade, walls, framing, and finishes, which shall maximize form, function, economy, ease and speed in construction, availability of materials and labour, thermal insulation, sound attenuation, fire resistance and energy efficiency. The floor plans and Site layouts maximized the area available. Material and building elements were selected to enable and facilitate rapid construction.*

*The Kindergarten buildings were provided with services such as potable water supply, sewage, storm water drainage system, power and lighting, telecommunication system (public address, audio visual, LAN/WLAN, voice/telephone, CCTV, IPTV, clock and bell, access control and intrusion detection), HVAC, fire detection and fire protection system. The buildings were furnished with the required furniture and were ready for use by the Education Department upon completion of the Contract.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Administrative Custom building at Jubail Commercial Port "Study &amp; Design"</i>
<i>Client</i>	<i>Ministry of Finance (Custom Department)</i>
<i>Location</i>	<i>Jubail</i>
<i>Year</i>	<i>2014</i>
<i>Project Value</i>	<i>SR 964, 109.00</i>

*The Building composed of Utility & Service/ Parking Area. The building area was 5000 Sq. m. With 2 Floors (G.F + 1<sup>st</sup> + 2<sup>nd</sup>).*

*The building were provided with all building services such as drinking water supply, sewage, storm water drainage system, power and lighting, telecommunication, CCTV, LAN, Public Address, HVAC, fire detection, fire alarm and fire protection systems, inclusive of the parking and access roads.*



## Alrabiah Project Experience



Project Name	New Clinics in Al Farouq, Al Huwaylat & Jalmudah "Design Services"
Client	Royal Commission
Location	Jubail
Year	2007 - 2009
Project Value	SR 955,961

The main scope of work was the construction and furnishing of three new clinics with a gross area approximately 2,200 square meters for each building in Al-Farouq, Al-Huwaylat and Jalmudah Districts furniture included. The HVAC units had a fixed on the roof deck of the buildings. Parking area was provided within the site location of each building accommodated the vehicles of the staff and visitors. The structure of the new buildings were cast-in-place reinforced concrete foundations, grade beams, grade slabs, columns, roof beams and slabs. External walls consisted of pre-cast concrete. Internal partition walls were dry wall partition and concrete masonry unit block work plastered and painted, together with a roofing system. The construction of clinic building in Al-Farouq district included soil consolidation by pre-loading with surcharge materials of the entire building footprint and the installation of "tile drain system".

The building were provided with all building services such as drinking water supply, sewage, storm water drainage system, power and lighting, telecommunication, CATV, LAN, Public Address, HVAC, fire detection, fire alarm and fire protection systems, inclusive of the parking and access roads. The HVAC of the building was water chiller type designed independently. The voltage system in the building was 220/127V, 3 phase 4-wire and 60Hz.



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Seawater Pump House - Study for Assessment of Steel Structure of Building # 10 SWPH - Yanbu</i>
<i>Client</i>	<i>MARAFIQ - Yanbu</i>
<i>Location</i>	<i>Yanbu - KSA</i>
<i>Year</i>	<i>2017</i>
<i>Project Value</i>	<i>SR . 780,000</i>

*“ARE” was appointed by Marafiq, Yanbu to investigate the existing PEB in SWPH, Yanbu. The elements inspected were steel columns, beams supporting crane rails, etc.*

*The work involved visual inspection, structural design check of the beams supporting the rails, and dimensional survey. Calculations were carried out to assess the adequacy of the structure according to the international standards. The scope was mainly to check the original design and advice what structural strengthening measures are needed for the crane load to be increased from existing 35T to 40T. The scope also included preparation of tender documents for the necessary strengthening of the structure.*





## Alrabiah Project Experience



Project Name	Wellness Fitness Center "Design Services"
Client	Saudi Aramco
Location	Udhailiyah
Year	2011
Project Value	SR 735,496

The scope of work for this project was to prepare a Detailed Design Package for the new facility. The proposed site basically a baseball field had an approximate area of 6725sqm. The Detailed Design package were prepared together with relevant drawings and documents, applicable Saudi Aramco Standard Drawings and Saudi Aramco Engineering Standards.

The location for the wellness fitness center was in Udhailiyah Residence Area, South.

The purpose of this project was to provide engineering and drafting services for the preparation of detailed design package for the new facility.

The work included the following major activities:

- Demolition, dismantling, of existing structure, bleacher, player shed, walkway, lights pool or as defined in the demolition plan
- The scope of work together with drawings and documents listed on drawing control and applicable Saudi Aramco codes and standards constituted the basis for the construction of new community wellness fitness center at Udhailiyah, Saudi Arabia.

The main spaces of the above mentioned building were: Construction of swimming pool, spa and supporting services, Construction of exercise hall and supporting services, Construction of steam room and sauna room, Construction of reception area, shower, toilets, lockers and other facilities of wellness fitness center, Design supply and installation of pre-engineered structural steel open web truss roof framing of Swimming Pool and Gymnasium roof, Supply and installation of water proofing membrane above the pre-engineered structural steel roof framing of Swimming Pool and Gymnasium roof.



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Expansion of LFO 30 &amp; 34 located in bldg., 05, level 3 area 6 "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Thuwal</i>
<i>Year</i>	<i>2013</i>
<i>Project Value</i>	<i>SR 726,224</i>

*This scope of work was to provide construction modification for the "Expansion of LFO 30 & 34".*

*KAUST to modified the existing Laboratory Fit-Out Packages nos. 30 & 34 in the Al-Kindi Building East (so called building no. 5) within its campus at Thuwal / KSA.*

*Both laboratories plan for increased capacities based on allocation of number of five (5) new fume hoods (LFO 30), and two (2) fume hoods and new glove box (LFO 34). The complete project site floor area of LFO 30 & 34 is 722 sqm,*

*The design had considered the constructability, health & safety and environmental issues, security and efficiency of project execution. "ARE" worked in close relationship and Coordination with KAUST responsible departments when allowed for full compatibility of the project with existing layout, existing design guidelines, health / safety & environmental requirements and existing utilities and building services infrastructure and fire protection. Access to the site, handling of construction material, management of waste and debris, noise levels, vibrations and access of future contractor personnel, operations and maintenance crew were addressed during construction.*

*Works were executed as per the IFC package, detailing the lab modifications required for all casework to function properly.*

*The construction works included Architectural/Civil, HVAC, Mechanical, Electrical, Plumbing, IT, Fire Alarm and Fire Suppressant services for the "to be" installed equipment (casework fume hoods, etc.) for a fully operational Lab.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>18<sup>th</sup> Floor of Admin Building, Security Gate and Workshop in Jeddah Islamic Port "Design Services"</i>
<i>Client</i>	<i>Saudi Ports Authority – Jeddah Islamic Port</i>
<i>Location</i>	<i>Jeddah</i>
<i>Year</i>	<i>2007</i>
<i>Project Value</i>	<i>SR 695,000</i>

*Saudi Ports Authority - Jeddah Islamic Port appointed "ARE" to carry out relevant studies, survey, structural analysis, and detailed design, related to the renovation of the 18<sup>th</sup> floor administration building, security gates and workshop in Jeddah Islamic Port on the Western Coast of KSA in Jeddah. Works involved data collection, detailed design and preparation of tender documents related to the Architectural, Interior Designing, Civil, Electrical, HVAC, Plumbing, Security System, etc. works.*



## Alrabiah Project Experience



Project Name	Administration O and M Center "Design Services"
Client	Royal Commission
Location	Jubail Industrial City
Year	2007
Project Value	SR 652,010

The main Scope of Work was the construction of a two storey building with a future third storey that served as the Administration O & M Center with a gross area of approximately 1,970 square meters. A chiller yard for the HVAC requirements was provided outside the building. The parking area was provided within the site location of the building and shall accommodate the vehicles of the staff and visitors. Perimeter fence with steel gate and security guard house shall also be provided. The structure of the new building was composed of cast-in-place reinforced cement concrete foundations, grade beams, grade slabs, columns, roof beams and slabs. External walls were be single insulated concrete masonry units. Internal partition walls were drywall partition and concrete masonry unit block-work plastered and painted, together with ceiling system.

The building were provided with all building services such as potable water supply, sewage, storm water drainage system, power and lighting, telecommunication, CATV, LAN, Public Address, HVAC, fire detection, fire alarm and fire protection systems, inclusive of the parking and access road. The voltage system in the building was 220/127V, phase 4-wire and 60Hz. The building was designed on the premise that another floor will be constructed in the future.



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>RC Social and Cultural Center "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2008</i>
<i>Project Value</i>	<i>SR 561,826</i>

*The main scope of work in the Construction of Social and Cultural Center comprised of the following structures and facilities; Clubhouse serves as the Main Building had an approximate built area of 2,262 square meters without veranda. Ten (10) Rentable chalets divided into: Studio type comprising of Two (2) units with approximate built area of 97 square meters without veranda per unit. Two (2) Bedroom Type comprising of Eight (8) units with an approximate built area of 144 square meters without veranda per unit. Parking shall be provided within the site location of the buildings and shall accommodate the vehicles for the visitors. Work includes site grading, roadway, irrigation for landscaping, storm drainage, and other utilities under site development. The primary structure of the new buildings were composed of cast-in-place (c.i.p.) concrete foundations (footings, pedestals, grade beams, and walls); c.i.p. concrete superstructures of columns and beams; and prestressed concrete hollow-core planks with c.i.p. composite concrete topping for framed roof slabs. Exterior walls were two (2) wythes of reinforced/grouted concrete masonry units (c.m.u.) with rigid insulation between the wythes as per the AE Drawings. Internal partition was c.m.u. as per the AE Drawings. Exterior masonry wall and interior masonry partition openings are framed with c.i.p. concrete lintels. Civil/site-type structures as per the SE and CE Drawings were, c.i.p. and stone retaining walls, boundary walls, cyclone fencing, lift station, manholes and chambers, car park shades, stairs, sidewalks and ramps.*

*The buildings had potable water, sewage, storm water drainage, power and lighting, telecommunication, CATV, LAN, Public Address, HVAC, fire detection and fire protection systems, inclusive of the parking and access road. The Air-Conditioning systems of all the buildings were composed of package type to A/C units. The Electrical power supply of all the buildings were 220/127V, 3 phase, 4-wire and 60 Hz.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Explosive Nullifying Building (4 Buildings) "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 514,362</i>

*This project was part for the provision of support services to RC during design, bidding and construction. Various DCNs and TQs are assigned by RC and worked on by Alrabiah.*

*This project consist of 4 Buildings such as:*

- Vehicle & Equipment Building*
- Mussalla*
- K- 9 Building*
- Service & Operation Building*

*The facilities provided were potable water supply, sewage, storm water drainage system, power and lighting, telecommunication system (public address, audio visual, LAN/WLAN, voice/telephone, CCTV, IPTV, clock and bell, access control and intrusion detection), HVAC, fire detection and fire protection system. The K- 9 building was furnished with the required furniture and was made ready for use by the Education Department upon completion of the Contract*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>KAUST INN 2 RENOVATION (25 Suites to 75 Single Bedroom Guest Units) “Design Services”</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Thuwal</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 505,508</i>

*The “KAUST Inn 2” consisted of 25 Suites. The scope was to renovate “KAUST Inn 2” apartments to provide 75 single bedroom guest units.*

*This scope of work included renovation works for general, architectural, civil, plumbing, HVAC, Electrical, IT with the following: A semi circular reception desk on the waiting/lobby area, reception desk counter details, luggage storage room with storage rack, Provide housekeeping room with sink, water supply and floor drains adjacent to the luggage storage room, a new janitor room with sink, water supply and floor drains under the main stairs, manager’s office, reservation office with counters, staff room, staff office, laundry collection area, staff toilet and common toilet, 1hr fire rated insulated hollow core metal escape door at each end of the corridor, ceiling materials including suspension system on common areas, offices and residential units, 150mm CMU wall to service ducts/shafts and new unit partitions with 100mm thick ordinary gypsum board fixed on 63mm studs. New gypsum board fixed on metal studs on outer side for new toilets, gypsum board wall cladding fixed on 63mm metal studs on existing precast toilet partitions, floor finishing materials on lobby, common areas, offices, and service areas, floor finishing materials on residential unit areas, bedroom closets and mini-bar cabinets on every residential unit, and all other fixtures required.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Facility Inspector Office at Sea Island 2 "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Ras Tanura</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 487,454</i>

*The Facility Inspector of Sea Island was using a temporary office at the existing lab room located at lower level of the deck as the previous office was converted to UPS equipment room, a new office located at the existing location of the portable cabin used as a prayer room. A new prayer room on top of the new office.*

*"ARE" provided engineering and drafting services for the preparation of Detailed Design package to construct the following at Sea Island #2: Facility Inspector Office, A new steel structure office of (5.1 X 6.5 meters) to accommodate two people. The office was located on top of the control/equipment room.*

*Prayer Room: A new steel structure room of (3.6 X 2.5 meters) used for praying located on top of the new office.  
A new steel structure room of (3.6 X 2.5 meters) used for praying and to be located on top of the new office.*

*The following studies were completed:*

- Building Risk Assessment to identify the safety precautions to be considered for the occupants.*
- HVAC system and air pressurization.*

*ARE prepared a project summary and write-up to describe all related work to be executed on the project.*

*The work included the collection and analysis of all data, preparation of detailed design, scope of work, development of the required various disciplines, calculations, design drawings, hydrotest diagram, MTO and cost estimate.*





## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Building # 3182 Offices &amp; Shop Floor Area Renovation "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Dhahran</i>
<i>Year</i>	<i>2011-2012</i>
<i>Project Value</i>	<i>SR 475,805</i>

*The existing T & ESD Facility was an L- Shaped building comprising a three storey office building with workshop wing to the north-east and south-east. The first and second floors of the office building contain a number of enclosed offices and other staff facilities whilst the third floor accommodates the HVAC plant. The main office building is linked to each of the workshops at first floor level.*

*The following were the main tasks to be carried-out under this project: Create open plan office area at First & Second Floor Levels, Refurbished existing toilets at First and Second Floor Level. The existing Female toilets are to be removed to make way for an additional office, All existing 'enclosed offices' located at perimeter of the second floor which are to remain will also be renovated, The existing sloped floor in the Workshop area was leveled, Reflected false ceiling, Furniture Layout, Flooring and Wall finishes, Fixtures (Electrical, Plumbing, HVAC & Telecommunication)*

*The work included the furnishing of all labor, materials, supervision, tools, equipment, technical and professional services and temporary support works necessary for completion of the project in accordance with all the terms and conditions of the Contract including all specifications and drawings.*

*"ARE" was responsible for performing a condition survey of all existing facilities.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Buildings in Arafat for Ministry of Interior "Design Services"</i>
<i>Client</i>	<i>Ministry of Interior, Riyadh</i>
<i>Location</i>	<i>Various Location</i>
<i>Year</i>	<i>2007</i>
<i>Project Value</i>	<i>SR 470,000</i>

*The Ministry of Interior appointed "ARE" to do the comprehensive design of the various different facilities to be built in Arafat camp for the MOI staff.*

*The buildings comprised of various facilities for staff, administration, mess, etc. The work involved development of the client's conceptual design to working drawings, planning issues, and preparation of tender documents for construction.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Turaif Bulk Plant Admin &amp; Maintenance Buildings Ext. "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Turaif</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 459,283</i>

*The scope of work for this project was to prepare a Detailed Design Package for extension of Administration and Maintenance Buildings. The existing Administration and Maintenance Buildings were not sufficient to accommodate the current plant staff. It is required to extend / modify both buildings.*

*The location for the Modification of Administration and Maintenance buildings was in Turaif bulk plant.*

*The work included, but is not limited to, the following major activities: The existing conference room converted to control room. A portion of the existing toilet area added to the new control room while the remaining portion of the toilet area converted to Electrical room. Extend the Administration Building by adding two (2) offices, a pantry, a toilet area a conference room and a corridor. The added structure consisted of reinforced concrete foundations, columns, beams, and roof slab. The internal and external walls were made up of reinforced CMU., Extend / modify the Maintenance Building by demolishing the existing two offices, rest room and store room and adding a supervisor office, an employee office, a meeting room, a locker room, a store, a cafeteria, a printer room and a toilet area as shown in the drawings. The added structure shall consist of reinforced concrete foundations, columns, beams, and roof slab. The internal and external walls shall be made up of reinforced CMU, Lighting, power, grounding and fire alarm systems shall be provided., Data gathering & site survey shall be done before commencing the work., Data, Telephone, grounding, CCTV and Radio Communication shall be provided, The buildings were air conditioned by means of providing one running and one standby central DX Air Handling Units, and maintaining the recommended exhaust air rate from Toilets, Locker Room and Tea Room, Fire protection / fire fighting system were provided as required.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Upgrade Building 1222 (Community Heritage Gallery) “Design Services”</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Dhahran</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 387,691</i>

*The existing building 1222 (Community Heritage Gallery) located at Dhahran, was to be modified to be utilized as a theater-pioneer, children exhibit area/video room, conference room, office, kitchen, toilet and mechanical room. The above mentioned rooms were currently being separated by the gypsum board on wooden stud partitions. The following are the main tasks to be carried-out under this project:*

- The interior space of the building developed into a single open space for exhibition. The existing mechanical room demolished.*
- The garage utilized as main storage room, the existing store rooms outside the building in the north east side shall be developed into shared offices (i.e., 3 offices for Saudi Aramco employees). The toilet and kitchenette shall be provided next to the new offices.*
- Existing storage room near building 1220 in the south side was developed to a visitor’s toilet.*
- The existing patio sunscreen was replaced with a new sun screen.*
- New entrance was provided commencing from sidewalk in between buildings 1220 and 1222 leading to the existing patio in between both buildings.*

*“ARE” was responsible for performing a condition survey of all existing facilities.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Repair Request No. 47698, of Storage Area "Study &amp; Design"</i>
<i>Client</i>	<i>SWCC – Al Khobar</i>
<i>Location</i>	<i>Al Khobar - KSA</i>
<i>Year</i>	<i>2017</i>
<i>Project Value</i>	<i>SR 298,500</i>

*SWCC Khobar Plant appointed "ARE" to IFP design package for the warehouse building, to be built in Khobar.*

*The building comprised of various facilities for staff, administration, etc. The work involved site survey, site investigations, preparation of design drawings and complete tender package. The works included all disciplines viz. civil, architectural, landscaping, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Traffic Management Center (TMC) "Design Services"</i>
<i>Client</i>	<i>Royal Commission</i>
<i>Location</i>	<i>Jubail Industrial City</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 282,588</i>

*This project was part for the provision of support services to RC during design, bidding and construction. Various DCNs and TQs are assigned by RC and worked on by Alrabiah.*

*The main scope of work was that the Traffic Management Center (TMC) shall have an office for the Operations Supervisor, a room for visitors, Training & Incident Management, Electrical, Telecommunication rooms, and service areas. Security, privacy, cost – efficient, circulation and ease of maintenance were given due consideration in the design with a total area of 210 sq.m.*

*The following systems were provided:*

- Fire Suppression System*
- Plumbing System*
- HVAC System*
- Lighting*
- Fire Alarm System*
- Telecommunication System*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Marine West Pier Admin Building Expansion "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Ras Tanura</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 273,316</i>

*The existing Marine Admin Building at West Pier, Ras Tanura was a three storey building. The task was to prepare 3 options of conceptual design for an expansion to create more space for the personnel.*

*ARE was responsible for performing a condition survey of all existing facilities. The work included*

### *CIVIL WORKS:*

- Pipe laying and testing of Drinking and Raw water supply line.*
- Pipe laying and testing of sanitary wastewater drainage line.*
- Backfilling and restoration of the affected areas after pipe laying of drinking, raw water pipes and sanitary pipes.*
- All asphalt concrete paving restoration works conforming with SAES-Q-006*
- Installation of plumbing fixtures and appurtenances.*
- Installation of new manhole where the new sanitary pipe connected as shown in Drawing No. RA 248713.*
- All plumbing installations in accordance with the Uniform Plumbing Code (IPC) 2009 & SAES-S-060.*

*Other tasks included were STRUCTURAL WORKS, & ARCHITECTURAL WORKS*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Build A New Mubarraz Hydrotest and Area "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Mubarraz</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 244,476</i>

*The proposed site for the Hydrotest Building which was in the existing material yard located behind the existing Pipelines Support Facilities Building at Mubarraz, was currently being utilized as material store, car parking, and limited Hydrotesting. Conducting the Hydrotest in the middle of the yard is not in accordance to Saudi Aramco prevailing standard and not safe. For that, a new safe area is needed to conduct the Hydortest.*

*The following were the main tasks carried-out under this project:*

- Remove the existing area lighting poles located in the west of the material yard, to construct the new Hydrotest building.*
- Demolish part of the asphalt area in the southwest of the material yard, where the new Hydrotest building will be erected.*
- Erect the new Hydrotest building, and provide it with needed utilities from water, drainage..etc.*

*The work included the furnishing of all labor, materials, supervision, tools, equipment, technical and professional services and temporary support works necessary for completion of the project in accordance with all the terms and conditions of the Contract including all specifications and drawings.*

*"ARE" was responsible for performing a condition survey of all existing facilities.*





## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Build a New Shedgum Hydrotest Shelter and Area "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Shedgum</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 239,209</i>

*The proposed site for the Hydrotest Building was within the existing material yard behind Pipelines Support Facilities Building #3100 at Shedgum. It was currently being utilized as material store, car parking, and limited Hydrotesting. Conducting the Hydrotest in the middle of the yard was not safe and not in accordance to Saudi Aramco prevailing standard. For that, a new safe area was needed to conduct the Hydrotest.*

*The following were the main tasks carried-out under this project:*

- Demolish part of the asphalt area in the southwest of the material yard, where the new Hydrotest building was erected.*
- Erect the new Hydrotest building, and provide with needed utilities such as water, drainage, etc.*

*The work included the furnishing of all labor, materials, supervision, tools, equipment, technical and professional services and temporary support works necessary for completion of the project in accordance with all the terms and conditions of the Contract including all specifications and drawings.*

*"ARE" was responsible for performing a condition survey of all existing facilities.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Upgrade Gymnasium Locker Rooms at RT Middle School "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Ras Tanura</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 225,651</i>

*The scope of work for this project was to prepare a Detailed Design Package for the renovation of existing locker and toilet/ shower rooms in RT Middle School. It is recommended to renovate the existing facility to make it aesthetically pleasing and to provide adequate space to serve more than 150 students on a daily basis. The location for the modification of Building 814-C was in Ras Tanura Residence Compound, North.*

*The purpose of this project was to renovate the existing gymnasium locker rooms, shower area and toilets for Boys and Girls.*

*The work included the following major activities: Demolition, dismantling, and cutting-out of existing components affected by the new architectural floor plan and overall design requirements, Installation of toilet cubicle partitions, new doors, new finishing materials and other components according to the new architectural layout and details, Removal and dismantling of existing exhaust fans, ducts and accessories affected by the proposed design, Modification of existing supply air branch ducting to suit the proposed design, Installation of new supply and exhaust air grilles to suit gypsum board ceiling, Removal and dismantling of plumbing system as affected by the new architectural layout, Installation of new plumbing system and fittings according to the new architectural layout, Disconnection and removal of the existing lighting fixtures, affected outlets and conduits, Installation of lighting fixtures and switches, power socket outlets & heat detectors*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Renovation of Marine Maintenance Building # 20 "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Ras Tanura</i>
<i>Year</i>	<i>2010</i>
<i>Project Value</i>	<i>SR 186,258</i>

*"ARE" as a GES Contractor provided engineering and drafting services for the conceptual design package and budgetary estimate to renovate the existing facility and to construct extra workshops, offices and facilities to comply with the requirements of applicable Saudi Aramco and Industry Standards.*

*"ARE" prepared a project summary and write-up to describe all related work to be executed on the project.*

*The work included the collection and analysis of all data, preparation of scope of work, Budgetary Estimate, design of the site development and design of architectural, structural, mechanical, electrical and communication.*

*The conceptual design package covers the following:*

*Renovation of the existing facility, existing steel frame structure and the foundation, External cladding, Roofing, Doors and windows, Internal wall partitions and lining, Flooring and ceiling, Fixtures (Electrical, Plumbing, HVAC & Telecommunication), Fire suppression system, Extension of the Existing Marine Maintenance building.*

*Offices : Two (2) Nos. single occupancy office for Supervisors, One (1) Office consisting of 4 Cubicles for Section leaders, Meeting room accommodating 6-8 persons, Private toilet and pantry for Aramco personnel, Space for copier/fax machine.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Shade for T&amp;I Equipment at NGPD Maintenance Support “Design Services”</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Abqaiq</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 170,149</i>

*Abqaiq / Dammam field services unit was requesting to construct a shade for T&I equipment and materials at NGPD maintenance support area. The following were the main tasks to be carried-out under this project:*

- The proposed construction of shade for equipments and materials.*
- Steel structure with corrugated sheet covering.*
- Air and Water supply*
- Electrical & Plumbing Fixtures.*
- Ground floor concrete grade slab*

*The work included the furnishing of all labor, materials, supervision, tools, equipment, technical and professional services and temporary support works necessary for completion of the project in accordance with all the terms and conditions of the Contract including all specifications and drawings.*

*“ARE” was responsible for performing a condition survey of all existing facilities.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>R &amp; DC Apron Repair, Dhahran "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Dhahran</i>
<i>Year</i>	<i>2009</i>
<i>Project Value</i>	<i>SR 130,360</i>

*Saudi Aramco Research and Development Center 'R&DC' is located on the west area of Dhahran, south of main Gate # 2. R&DC consists of several interconnected Buildings surrounded by concrete sidewalks and landscape areas. The concrete sidewalk 'apron' has experienced settlement at different locations. The apron was repaired.*

*"ARE" completed the project, conforming in all respects, to the details and requirements of this scope of work, applicable Saudi Aramco Codes and Standards, Saudi Aramco Construction Safety Manual and the general Service Order Contract.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>New Kitchen and Locker Room at Uthmaniyah Fabrication Shop "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>Uthmaniyah</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 126,806</i>

*The scope of work for this project was to prepare a Detailed Design Package for constructing new kitchen and locker room at Uthmaniyah fabrication shop. The existing kitchen attached to fabrication shop was demolished and shall be constructed in new location. The Detailed Design package was prepared together with relevant drawings and documents, applicable Saudi Aramco Standard Drawings and Saudi Aramco Engineering Standards.*

*The location for the construction of new kitchen and locker room is in Uthmaniyah fabrication shop, Uthmaniyah.*

*The work included the following major activities:*

- Demolition, dismantling of existing kitchen and its utilities.*
- The demolished area shall be finished with asphalt surface.*
- Provide new kitchen, sitting room and locker room in new location.*
- Provide utilities and services to proposed building.*
- Provide and install cabinets & equipments in new kitchen*
- Provide lockers and benches inside new locker room*
- Provide appropriate building insulation, false ceiling, flooring and wall finishes*
- Fixtures (Electrical, Plumbing, HVAC & Telecommunication)*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>Marine Emergency Control Center at RT West Pier "Design Services"</i>
<i>Client</i>	<i>Saudi Aramco</i>
<i>Location</i>	<i>West Pier, Ras Tanura</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 52,900</i>

*The existing Marine Admin Building at West Pier, Ras Tanura is a three story building. It is made-up of steel structure with the cladding of precast concrete panels.*

*The Scope of work for this project is to study the options of establishing Marine Emergency Control Center either inside the third floor of Marine Admin Building or by extending the third floor or by constructing a new building on the rear side of Marine Admin Building.*

*The GES Contractor shall provide engineering and drafting services for the preparation of conceptual design package to establish Marine Emergency Control Center, complying with the requirements of applicable Saudi Aramco and Industry Standards.*

*The design scope of work will include, but not limited to the following: Search the existing drawings of Marine Admin Building from the Saudi Aramco Drawing System and print clear copies of the required drawings., Review and obtain the required data from the drawings, Prepare the architectural, structural, electrical, HVAC, fire protection and telecommunications drawings and necessary design calculations. The three options will be analyzed and recommendations will be prepared for the most cost effective option, The first option is to accommodate the equipments and personnel of Marine Emergency Control Center at the third floor of Marine Admin Building, The second option: by extending the 3rd floor of Marine Admin Building; The third option is to construct a new building for Marine Emergency Control Centre on the rear side of existing Marine Admin Building, Prepare a project summary and construction scope of work to describe all related work to be executed on the project, Prepare material take-off, and CAT-I estimate at 90% submittal.*

## Alrabiah Project Experience



Project Name	<i>"Project Management Services" for Business &amp; Community Projects</i>
Client	<i>Khaffi Joint Operations</i>
Location	<i>Khaffi</i>
Year	<i>2013</i>
Project Value	<i>OPEN</i>

*The Khaffi Joint Operations (KJO) appointed "ARE" to provide project management services for the supervision of the design and construction of various buildings, bridges, roads, facilities, infrastructure to be built in their facility in Khaffi. The works mainly involve checking the performance of design documents by the design consultant, and supervise the execution works by the construction contractor on site. The project is being executed by a team of about 26 engineers including Project Manager, Project Controls Specialist, Contracts Manager, Building Management Specialist, Sr. Scheduler, Sr. Material Engineer, etc. The works also include all disciplines viz. civil, architectural, landscaping, interior design, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc*





## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Saudi – Kuwaiti Border in AlRuq’ee - Residential, Administrative and other Infrastructure facilities “ Project Management &amp; Site Supervision”</i>
<i>Client</i>	<i>Ministry of Finance, Riyadh</i>
<i>Location</i>	<i>AlRuq’ee</i>
<i>Year</i>	<i>2012 – Ongoing</i>
<i>Project Value</i>	<i>SR 50,665,000</i>

*The Ministry of Finance appointed “ARE” to provide project management services for the supervision of the construction of various buildings, roads, facilities, infrastructure to be built in Al-Ruq’ee Border Exist. The works mainly involved checking whether the execution on site is undertaken as per the project contract documents. The activities included preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The project was being executed by a team of 66 engineers including Project Manager and engineers from all disciplines viz. civil, architectural, landscaping, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Women's Arts Faculty Building and Stadium in KFU, Al Hassa " Site Supervision "</i>
<i>Client</i>	<i>King Faisal University, Al Hassa</i>
<i>Location</i>	<i>Al Hassa</i>
<i>Year</i>	<i>2013 - Ongoing</i>
<i>Project Value</i>	<i>SR 10,512,000</i>

*King Faisal University appointed "ARE" to provide construction management services for the supervision of the construction of arts faculty building and stadium for women, in Al Hassa. The works mainly involved checking whether the execution on site is undertaken as per the project contract documents. The activities included preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The project was being executed by a team of engineers including Project Manager and engineers from all disciplines viz. civil, architectural, mechanical, electrical, etc.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Buildings in Taif University, "Project Management &amp; Site Supervision"</i>
<i>Client</i>	<i>Taif University,</i>
<i>Location</i>	<i>Taif</i>
<i>Year</i>	<i>2012</i>
<i>Project Value</i>	<i>SR 2,975,000</i>

*The Taif University appointed "ARE" to provide project management services for the supervision of the construction of various buildings, roads, facilities, infrastructure to be built in Taif University. The works mainly involved checking whether the execution on site was undertaken as per the project contract documents. The activities included preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The project was being executed by a team of 17 engineers including Project Manager and engineers from all disciplines viz. civil, architectural, landscaping, plumbing, sanitary, HVAC, FFS, FAS, electrical, etc.*

## Alrabiah Project Experience



Project Name	Construction Supervision of Boys & Girls School "Project Management & Site Supervision"
Client	Knowledge Enrichment Co.
Location	Dammam - KSA
Year	2015
Project Value	SR 2,350,000

*Knowledge Enrichment Co. appointed "ARE" to provide supervision services for the construction of a Boys & Girls School, in Dammam.*

*The works mainly involved checking whether the execution on site is undertaken as per the project contract documents. The activities include preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The project is being executed by a team of engineers including all disciplines viz. civil, architectural, mechanical, electrical, etc.*



## *Alrabiah Project Experience*



<i>Project Name</i>	<i>Multi Cargo Storage Building in King Abdulaziz Port, Dammam "Site Supervision"</i>
<i>Client</i>	<i>Saudi Customs - Riyadh</i>
<i>Location</i>	<i>Dammam</i>
<i>Year</i>	<i>2018 - Ongoing</i>
<i>Project Value</i>	<i>SR 1,180,000</i>

*"ARE" were appointed for the supervision of the completion works for the Development of Multi Cargo Storage Building in King Abdulaziz Port, Dammam.*

## Alrabiah Project Experience



Project Name	SREDF Building in Al Hassa "Site Supervision"
Client	SREDF, Riyadh
Location	Al Hassa
Year	2002
Project Value	SR 1,312,800

*The Saudi Real Estate Development Fund (SREDF) appointed "ARE" to provide construction management services for the supervision of their building in Al Hassa. The works mainly involved checking whether the execution on site was undertaken as per the project contract documents. The activities included preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The project was being executed by a team of engineers including Project Manager and engineers from all disciplines viz. civil, architectural, mechanical, electrical, etc.*



## *Alrabiah Project Experience*

<i>Project Name</i>	<i>BSF Branch in Saudi ARAMCO Dhahran "Site Supervision"</i>
<i>Client</i>	<i>Banque Saudi Fransi</i>
<i>Location</i>	<i>Dhahran</i>
<i>Year</i>	<i>2011</i>
<i>Project Value</i>	<i>SR 396,540</i>

*The Banque Saudi Fransi appointed "ARE" to provide Construction management services for the supervision of the Interior Design works planned within the BSF branch facility in Saudi ARAMCO Dhahran, North Park area. The works mainly involved supervising whether the execution on site was undertaken as per the project contract documents. The activities included preparation of monthly reports, conduct regular meetings, inspection of all activities on site, approval of materials, etc. The works also included all disciplines viz. architectural, interior design, civil, mechanical, piping, plumbing, electrical utilities, etc.*