

 **mec** | modern electric  
contractors

# ABOUT MEC

MODERN ELECTRIC CONTRACTORS is an Leading Electromechanical Contractor focused on the integration between the different building and infrastructural systems, and we serve clients building commercial and public buildings, hospitals, high end villas, hotels, educational institutions, industrial buildings and factories and we provide the following services:

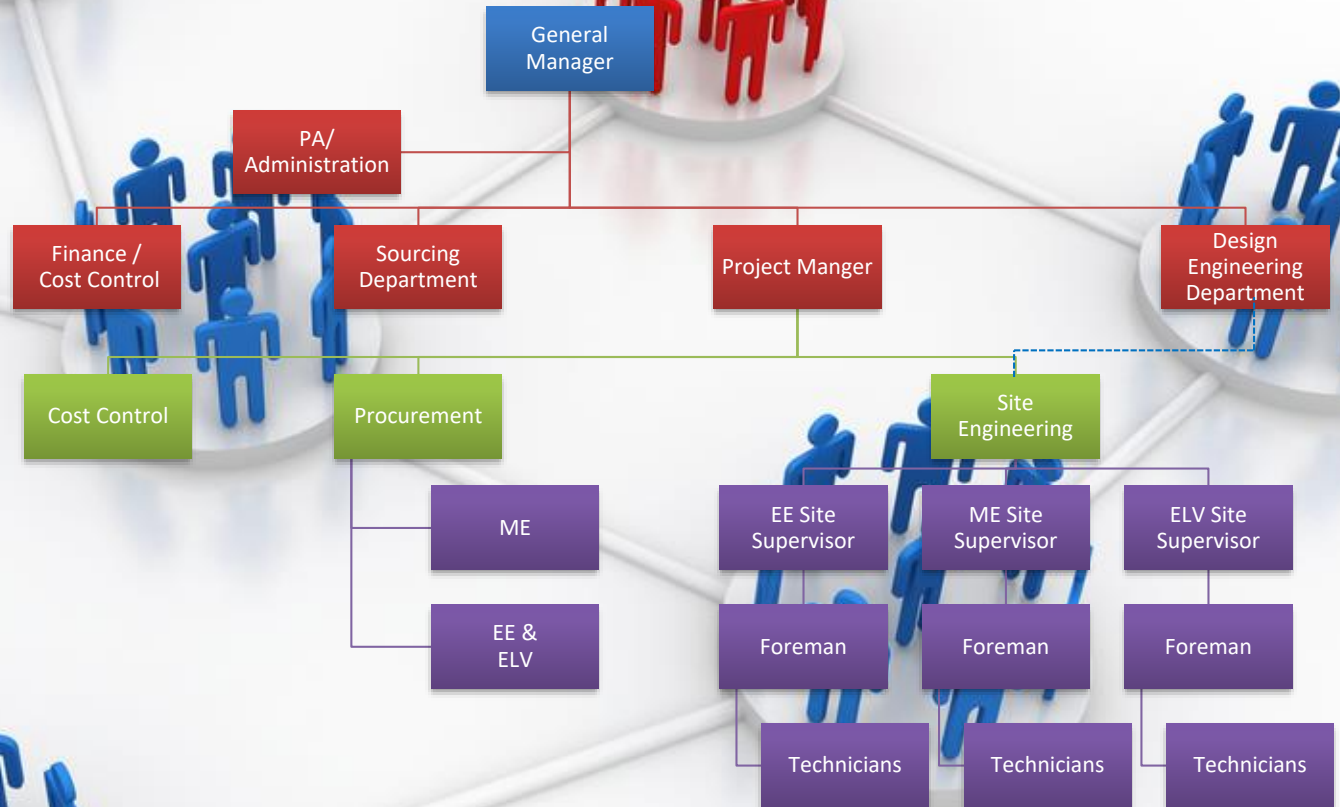
- Low Voltage
- MV Power and Infrastructure
- Extra Low Voltage and Low Current Systems
- Air-conditioning & Ventilation
- Plumbing
- Process Piping
- Fire Detection, Protection and Suppression
- Solar Energy



# THE ORGANIZATION

MODERN ELECTRIC typically dedicates a devoted team for each project and accordingly employ specialized engineers, supervisors and technicians. We are currently a team of approximately 70 employees and have the ability to manage up to 1000 technicians and labor that can be supplied by the manpower companies currently available in the Kingdom.

Profession	No. of Emp.
Management	2
Admin	8
Project Manager	3
Design and Site Engineers	5
Draftsmen	5
Supervisors & Foreman	12
Technicians	31
<b>TOTAL</b>	<b>66</b>



# THE PROCESS

AT MODERN ELECTRIC we believe that every project needs to follow a flow of activities and that planning is imperative for successful project completion. We dedicate a large portion of our team's efforts on planning to ensure efficient and timely project hand over at the required quality.

## Project Assessment

- Asses project scope and determining client requirements
- Budgets, Estimation, Tendering and Contracts
- Top-line project planning

## Resource Planning & Mobilization

- Detailed project planning
- Resource requirements and recruitment
- Subcontractor pre-qualification
- Mobilization to the site

## Engineering

- Implement Value Engineering & Sustainable Design
- Finalize Shop Drawings, Submittals & BOQs
- Apply Specs and International Standards



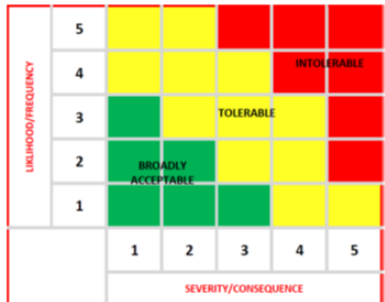
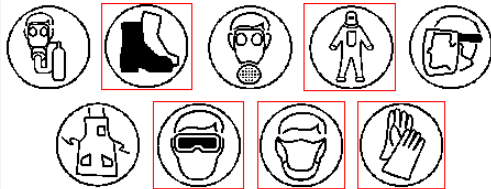
## Execution & Testing and Commissioning

- Material Procurement
- Manpower Management
- Cost Control and Progress Payments
- T&C and Handover Drawings

# HEALTH & SAFETY

We apply very stringent health and safety rules and regulations, and are developing trainings, programs and award schemes to motivate the employees to follow these rules and regulations to ensure that their own health and safety on and off the job is at its best.

Work Method Statements are written, revised and reviewed before undergoing all new projects.

SAFE WORK METHOD STATEMENT				
<b>COMPANY NAME</b> <b>MODERN ELECTRIC</b>		<b>COMPANY LOGO</b> 		
<b>DESCRIPTION OF WORK ACTIVITY</b> <b>Water &amp; Plumbing</b>				
<b>SWMS AUTHOR</b> <b>TITLE: PROJECT MANAGER</b> <b>NAME: JABER ABBAS</b> <b>SIGNATURE:</b> 		<b>RISK MARIX</b> 		
				
#	Key Steps	Possible Hazards	Safety Controls	Risk Assessment
1	Arrival At Site	REFER TO ARRIVAL AND MANUAL HANDLING	REFER TO ARRIVAL AND MANUAL HANDLING	N/A
2	Unloading Material	REFER TO ARRIVAL AND MANUAL HANDLING	REFER TO ARRIVAL AND MANUAL HANDLING	N/A

## TESTING AND COMMISSIONING

All installed material and systems are tested and commissioned before leaving the site.

We provide full documentation of all the tests performed to the client upon site handover.

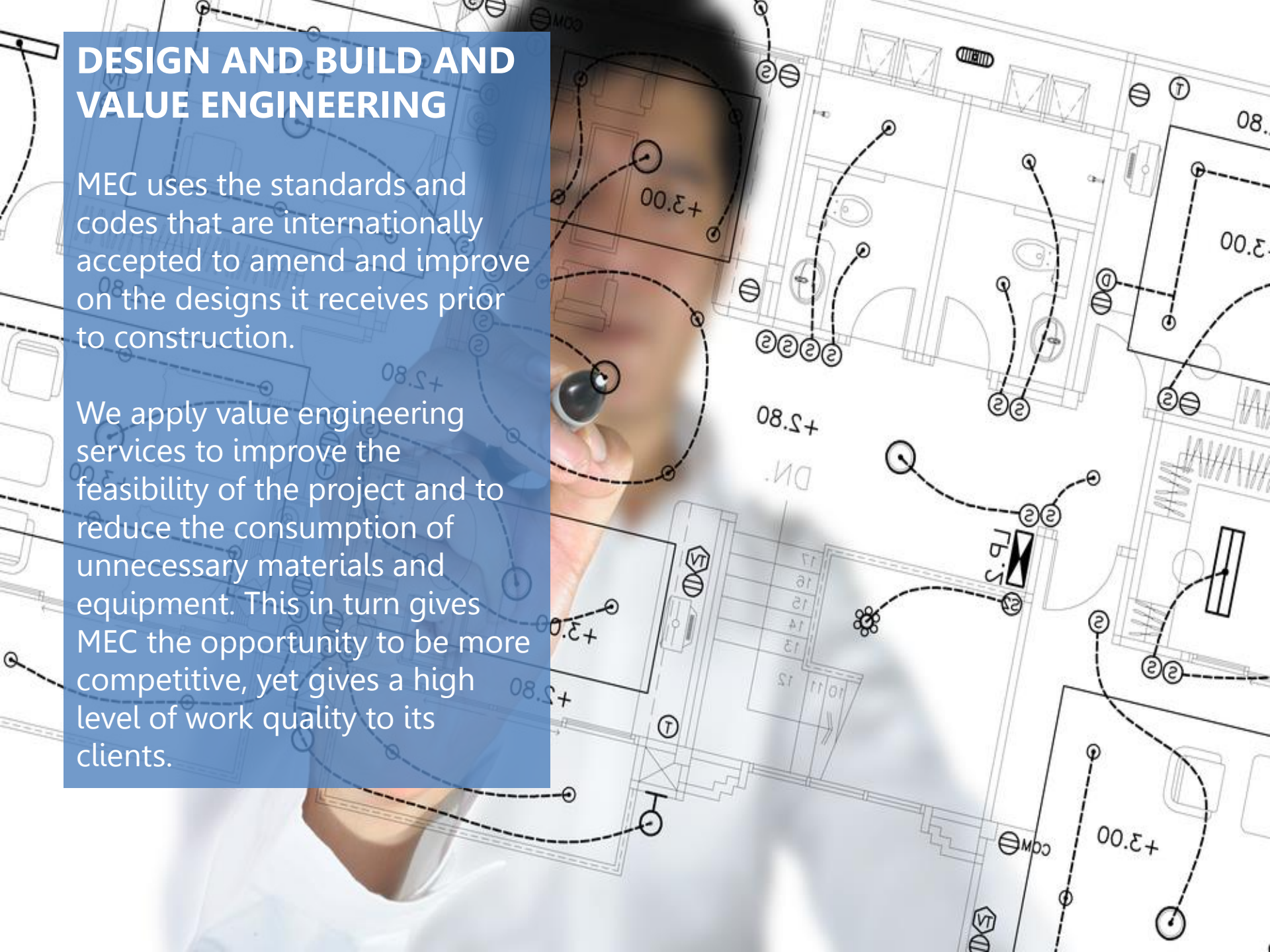
We also offer one year free maintenance to some of our clients, and are willing to offer on-going service and maintenance to the systems that we install.



# DESIGN AND BUILD AND VALUE ENGINEERING

MEC uses the standards and codes that are internationally accepted to amend and improve on the designs it receives prior to construction.

We apply value engineering services to improve the feasibility of the project and to reduce the consumption of unnecessary materials and equipment. This in turn gives MEC the opportunity to be more competitive, yet gives a high level of work quality to its clients.

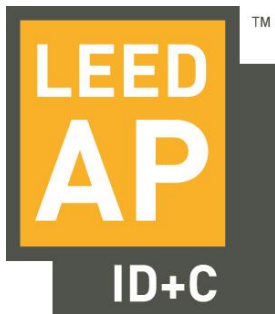


## SUSTAINABILITY & LEED™

The Kingdom of Saudi Arabia is consuming power and water at an increasing rate annually. Through sustainable and green design and construction, consumption of water and electricity is reduced, reducing carbon emissions, waste, pollution and improving the living environment for humans working and living indoors.

Working with Modern Power Est. a sister company of MEC, we focus on:

- Electrical Efficiency
- Water Efficiency
- Solar Power





# SOLAR ENERGY ENGINEERING

Modern Power and Modern Electric work together to design, supply and install solar energy plants to supply clean energy.

Small and medium solar power plants can be placed on building roof tops.

Building facades can have integrated solar panels in their façade.

Solar lighting can be used for the outdoor areas and parking lots. Shaded parking can have solar panels instead of regular shading.

The applications are unlimited and the potential is unlimited.

# Completed Projects



# Jone Residential Apartments

**Description:** Residential Apartments, 242 Units of Two Bed and Three Bed Apartments

**Scope:** Supply and Installation of Electrical, Security and Low Current Systems

**Size:** 65,000 m<sup>2</sup>

**Peak Manpower:** 300 Electricians

**Location:** Jeddah

**Project Owner:** Abdul Latif Jameel 

**Main Contractor:**  **RAFIC A. KREIDIE**  
ENGINEERS & CONTRACTORS

**Consultant:**   
Define . Design . Deliver



# Eden Residential Apartments

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**Description:** Residential Apartments, 58 Units of Two Bed and Three Bed Apartments

**Scope:** Supply and Installation of HVAC, Plumbing, Fire Fighting, Electrical and Low Current Systems

**Size:** 20,000 m<sup>2</sup>

**Peak Manpower:** 50 Electricians, 40 Plumber, 30 Fire Fighting Technicians, 35 HVAC Technicians

**Location:** Jeddah

**Project Owner:**



# TOKI Chinese Restaurant



**Description:** High End Restaurant

**Scope:** Design and Build, Supply and Installation of HVAC, Plumbing, Fire Fighting, Electrical and Low Current and Gas Systems

**Size:** 2,000 m<sup>2</sup>

**Peak Manpower:** 50 Electricians, 40 Plumber, 30 Fire Fighting Technicians, 35 HVAC Technicians

**Location:** Riyadh

**Project Owner:**



**Consultant:**



**Main Contractor:**



# Thuwal Dev Project Phase 2, The Mosques

**Description:** Four Mosques – Alsalam Mosque, Abu Zaid Mosque, Abdulaziz Mosque and Aref Mosque

**Scope:** Supply and Installation of Electromechanical Systems

**Size:** 7,500 m<sup>2</sup> (Each Mosque between 1200 and 2500 m<sup>2</sup>)

**Peak Manpower:** 60 Electricians, 25 Plumber, 30 HVAC Technicians

**Location:** Thuwwal

**Project Owner:**



**Main Contractor:**



# King Abdullah Monument @ KAUST

**Description:** KAUST Garden

**Scope:** Installation and Termination of MV and LV Cables and Supply and Installation of Solar Lighting

**Size:** 25,000 m<sup>2</sup>

**Peak Manpower:** 60 Electricians, 25 Plumber, 30 HVAC Technicians

**Location:** Thuwwal

**Project Owner:**

أرامكو السعودية  
saudi aramco



جامعة الملك عبدالله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology



**Main Contractor:**



# Distribution Management Center - SEC

**Description:** Saudi Electricity Co. Control Center for Substations in the Taif Region

**Scope:** Design and Build for Electromechanical Systems

**Size:** 2,400 m<sup>2</sup>

**Peak Manpower:** 35 Electricians, 15 Plumber, 35 HVAC Technicians

**Location:** Taif

**Project Owner:**



**Main Contractor:**



**Civil Contractor:**





# Pullman Hamra Hotel



**Description:** Renovation of the 4<sup>th</sup> and 5<sup>th</sup> Floors of the Pullman Hotel

**Scope:** Electrical, Low Current and Chilled Water Systems Replacement

**Size:** 4,500 m<sup>2</sup>

**Peak Manpower:** 45 Electricians, 25 HVAC Technicians

**Location:** Jeddah

**Project Owner:**



**Main Contractor:**



# SANOFI Avents Factory in KAEC

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**Description:** SANOFI new iconic factory in KAEC

**Scope:** Supply and Installation of Electrical and Low Current Systems

**Size:** 11,000 m<sup>2</sup>

**Peak Manpower:** 150 Electricians

**Location:** King Abdullah Economic City

**Project Owner:**



**Main Contractor:**



**Electrical Main  
Contractor:**



# Private Villa

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**Description:** Luxurious Villa

**Scope:** Supply and Installation of Electro-mechanical Systems

**Size:** 2,200 m<sup>2</sup>

**Peak Manpower:** 25 Electricians and 40 Mechanical Technicians

**Location:** Jeddah

**Main Contractor:** ZENITH UNITED CO.  
GENERAL CONTRACTING & CONSTRUCTION

**Consultant:**



# Corniche Jeddah Phase 4 and 5

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**Description:** Control Center, Public Bathrooms,  
Public Showers and Kiosk

**Scope:** Supply and Installation of Electro-  
mechanical Systems

**Size:** 44 Small Buildings

**Peak Manpower:** 90 Electricians and 80  
Mechanical Technicians

**Location:** Jeddah

**Project Owner:**



**Main Contractor:**



**Consultant:**



# MAZDA & GEELY Showroom and Service Center



GEELY



mazda

**Description:** Showrooms and Service Centers  
for Mazda and Geely

**Scope:** Design, Supply and Installation of Electro-  
mechanical Systems

**Size:** 13,700 m<sup>2</sup>

**Peak Manpower:** 115 Electricians and 90  
Mechanical Technicians

**Location:** Makkah

**Project Owner:**



الحاج حسين علي رضا وشركاه المحدودة  
Haji Husein Alireza & Co. Ltd.

**Main Contractor:**



المتقدم الأول للمقاولات

**Consultant:**



# IKEA SALAM MALL

**Description:** IKEA Showrooms and Warehouse in Alsalam Mall

**Scope:** Installation only of Electrical, Low Current, BMS, HVAC and Chilled Water Systems

**Size:** 18,500 m<sup>2</sup>

**Peak Manpower:** 185 Electricians and 140 HVAC and Piping Technicians

**Location:** Jeddah

**Project Owner:**



**Main Contractor:**



**MEP Contractor:**



# GEMS Integrated Waste Recycling Center

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**Description:** Integrated Waste Recycling Plant for GEMS

**Scope:** Design, Supply and Installation of HVAC Systems

**Size:** 9,400 m<sup>2</sup>

**Peak Manpower:** 75 Mechanical Technicians

**Location:** Yanbu

**Project Owner:**



**Developer:**



## OTHER COMPLETED PROJECTS

Project Name	Project Owner	Client	Project Type	Project Description
Il Villagio	KAUST	Villagio Restaurant	Rest.	Design and Build – LV, Plumbing, Water Supply, HVAC, ELV & Fire Protection
SOUK OKAZ	AMANAT TAIF	ASCON	Public Building	Design, Supply and Install - ELV
Khayat Offices	KHAYAT	MLS	Offices	Design, Supply and Install – ELV and Entrance Gates
Casa Shaheen	KEBSA	Private	Villa	Supply & Install – LV, ELEC & ELV
Casa Abdul Jawad	KEBSA	Private	Villa	Supply & Install – LV, ELEC, HVAC & ELV
BANAWI FACTORY	BCG	BANAWI PAPER	Industry	Design, Supply and Install LV Panel Boards and Infrastructure
THURAYA UNIVERSITY	BATTARJI	BATTARJI	Educ. Building	Design, Supply and Install – LV, Panels, Lighting, Lighting Control, Infrastructure
KAUST PERMITER	KAUST	ICC	Infra	Design and Shop Drawings for MEP scope of works for 35 Buildings



# COMPLETED AND ONGOING PROJECTS

Project Name	Project Owner	Client	Project Type	Project Description
CASA HADDAD	HADDAD	AMOUDI	Private	Technical Office and Supervision of Testing and Commissioning of MEP
UCIC FACTORY	UCIC	TUNSIF	Industry	Shop Drawings, Technical office and MEP works of all MV Rooms, ELV, Plumbing and HVAC of external Works
ALI REZA COMPOUND	ALIREZA	KEB	Private	Electrical and Low Current Works for 10 Villas and External Works for a Residential Compound