IRINATECH

World-Class Engineering Solutions, Delivered





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1 Substation
Expertise in turnkey services on substation projects up to 132kV.

2 Infrastructure
Providing mechanical, electrical and plumbing (MEP) solutions to major transport and infrastructure projects.

3 Renewable Energy Solutions
Our renewable energy solutions include environmentally friendly technologies which help reduce an organisation's energy costs and carbon footprint.

4 Mechanical & Electrical Services
Our experienced mechanical and electrical teams deliver MEP services to manufacturing production units, power plants and infrastructure projects to the highest standard. Expertise in greenfield and upgradation projects.

5 Private & Commercial Networks
We are dedicated to delivering and partnering with intelligent integrated solutions OEMS for smart city's networks, assets and infrastructure.

6 Energy
Develop and commission projects to improve energy efficiency across various sectors.



About Irinatech

We are a multifaceted engineering and construction firm with roots in Asia and a strong operational presence across key markets in the Middle East.

Irinatech delivers an extensive range of engineering services across a multitude of sectors with an established reputation for completing iconic projects. The Company has earned a well-deserved name as a reliable service provider that offers clients the highest level of service on every contract.

We empower our team to a culture of engineering excellence with a commitment to deliver our client's expectations in a cost-effective and timely manner.

Key Business Units
- Engineered Products
- Technical Support Services
- Turnkey Construction

The last decade has seen us focus on the construction and infrastructure side of our business, and establish synergies with key players in the arena. Our general scope of work includes engineering, procurement and construction.

30+	**Years of Experience**
500+	**Employees**
5,000+	**Medium & Large scale projects delivered**


Energy


Data Centre


Telecommunications


Infrastructure

Our Strengths:
- Reputation
- Experience
- Engineering, Procurement & Project Management


1


2


3


4

Services

We contract to local, regional and multinational corporations and government bodies to provide tailored solutions for construction and infrastructure projects.

While each service area is set up to operate as a stand-alone and complete service, synergies across these areas enable us to manage projects more effectively than any other provider. Each division is capable of delivering a complete turnkey service, from estimating and tender submission to planning, design and installation. Our expert procurement team works to source high-quality, cost-effective materials from suppliers worldwide helping us to deliver, when and where needed. We deliver optimum solutions, cost-effectively and on time, tailored to the demands of each project. With the use of Business Intelligence Modelling (BIM) work flows and the latest technology, we ensure optimal design, clash free, greater asset design and construction predictability, carbon footprint reduction, saving on waste and better engineering and increase in efficiency from conception to design, construction and construction–to-operation.

Substation & Infrastructure Projects
Irinatech provides technical expertise and services in substations and power generation infrastructure projects. We offer full turnkey solutions including design, procurement, cable design/ optimisation, electrical installation, civil works and commissioning.

Renewable Energy Solutions
Our renewable energy solutions include environmentally-friendly strategies and engineered products that will not only help reduce your organisation's energy costs, but also provide you with the tools to reduce your carbon footprint. Irinatech offers a broad range of energy-efficient and environmentally-friendly electrical solutions that can help a building "go green".

Energy
Irinatech works with their clients to ensure eco-energy strategies and technologies are implemented to improve efficiency and to create a sustainable environment for future generations. Actively gearing towards The Internet of Things (IOT) enabled industrial application and devices which is changing the way we work and live.

Data Centres
Irinatech has a thorough understanding of information technology platforms and the physical assets required to interact with mission-critical businesses.

With an enviable track record in critical systems design, we have a high level of expertise and experience in developing and maintaining critical facilities.

Using innovative technologies, we work with our clients to establish and incorporate world-class sustainable designs. We can offer a modular data centre approach to our designs, which reduces capital expenditure and project completion times and ensures that operating efficiency is maximised.

1 Control Panel
2 Plant Room
3 Transformer
4 220kV GIS

Energy Sector

Technical Support Services

Commissioning Management
Construction Management
Energy Audits
Harmonics Analysis
Health Safety Environment Management
Preconstruction Consulting
Project Management
Quality Assurance/Quality Control
Supply Chain Management
Upgradation Services

Electrical & Mechanical Services

Design and Construction of HV Substations
Design and Engineering Capability for LV/HV Installations
HV Cable Installation up to 420kV including Jointing and Termination Works
HV Cable Testing and Commissioning
Installation Capability for HV Substations
Installation of AC/DC System, Battery Banks and Standby Generators
Installation of Control and Protection Gear
Installation of GIS up to 400kV
Installation of Lightning Protection System
Installation of Power Transformers
Installation of Substation Earthing System
Installation of Surge Arresters in Substations
Interfacing of Existing and New Installations
MV/LV Cable Installation
Substation MEP Works
Testing and Commissioning of Cable Circuits
Testing and Commissioning of Feeder Panels
Testing and Commissioning of GIS Control Panels
Testing and Commissioning of Transformers
Testing and Commissioning of Transformer Protection Panels
Transformer Oil Filtration

High Voltage Power Services (33kV, 66kV, 132kV, 220kV & 400kV)

Ancillary Equipment Installation
Cable Jointing and Termination
Cables – HV Cable Jointing and Termination with Testing and Commissioning
Control Equipment Installation
Fibre-optic Cable Splicing, Termination, Installation and Commissioning using OTDR
GIS Installation
Pilot Cable Jointing and Termination, Testing and Commissioning
Power, Fibre-optic Cable, Pilot Cable Fault Locating
Substation
Switchgear Installation
Testing and Commissioning
Transformer Installation

Switchgear

AC Main Distribution Panels
DC Distribution Panels
Instrumentation Panels
Low Voltage Switchgear
Medium Voltage Switchgear
Motor Control Centres
PLC Panels
Sub-main Distribution Panels

Power Management Systems

Automatic Transfer Switches
Generator Control and Protection Systems
Generator Paralleling Switchgear
Power Monitoring Systems and Energy Meters
Variable Frequency Drive Systems

Water Sector

Technical Support Services

Commissioning Management
Construction Management
Health Safety Environment
Preconstruction Consulting
Project Management
Quality Assurance/Quality Control
Site Procurement

Power

Busway Systems
Cable Management Systems
Generators
Generator Paralleling Switchgear
Motor Control Centres
Power Cabling Laying and Terminations
Power Transformers
Sub-main Distribution Boards
Variable Frequency Drive Systems

Monitoring & Control Systems

Instrumentation
Instrumentation and Control Cabling
SCADA-based Remote Monitoring and Control Systems
Turnkey Engineering and Field Installation of SCADA/Telemetry Solutions

Water Treatment Plants

Electrical and Mechanical Installations
Pipe Link Seals
Pipe Protection Stoppers/Bungs/Casing Spacers

Data and Command & Control Centre Sector

Data Centre

Business Information Modelling (Design Stage)
Business Modelling System
Computational Fluid Dynamics Analysis (CFDA)
Data Centre Design Services
Data Centre Infrastructure Management (DCIM)
Data Centre Infrastructure Planning
DC Network Operation Centre (NOC)
Energy Management System
Energy Modelling
External Connectivity of Broadband Fibre Connections from Data Operators
Integrated Modularised Data Centres
Integrated Systems Management
Physical Security Infrastructure Management (PSIM)
Retro Fit of DC
Testing, Commissioning, Planning and Supervision
Tier Certification
Communication Racks
DC Distribution Panels
DC Power Distribution Units
Generator Paralleling Switchgear
Generators and Fuel Systems
Lighting Control System
Low & Medium Voltage Switchgear
Power and Data Cable Management Systems
Power Distribution Cabinets
Rectifiers
Static Transfer Switching (STS)
Surge Protection System
UPS, Central Battery System (CBS)

ELV Systems

Access Control Systems
CCTV
Intrusion Detection System
Electrical and Mechanical Design
Firefighting System – FM200/NOVEC/ Water Mist System/Sprinkler System
HVAC – Closed Control Units
Installation of Cabinets and Equipment
Lighting Automation Systems
Mechanical and Electrical Works
Structured Cabling (Fibre-optic and Cat6a)
VESDA and Leak Detection System

Active Systems

Asset Tagging System
Facility Management Software (integration with BIM and DCIM)

Command & Control Centers

Acoustic Systems
Conceptual & Detailed Design
Consoles
Data Displays, Video Walls
Intercom
Operator Console
Telephony

Telecom Sector

Technical Support Services

Commissioning Management
Construction Management
Health & Safety Environment
Preconstruction Consulting
Project Management
Quality Assurance/Quality Control
Site Procurement

Network Planning & Design

Fibre Optics Engineering
LOS Survey
Preliminary Site Survey
RF Planning & Design
Site Acquisition Planning

Site Acquisition

Electricity Permits
Generation of Site Acquisition Map
Initial Site Survey
Lease Agreements
Municipality Permits
Red Line Drawings
Site Acquisition Reports

Construction

Aviation Warning Systems
Electrical and Mechanical Works
Electrical & Mechanical Designing
Grounding & Lighting Protection Systems
Installation of Ancillary Systems
Lattice Towers
Layout/Construction Drawings
Monopoles Towers
Palm Tree Camouflage Monopole Towers
Rooftop & Greenfield Base Stations Shelters
RT & Tripod Poles
Shelters Installation
Towers/Masts Supply & Installation

MSC/BSC

Access Control Systems
Electrical & Mechanical Design
Firefighting System – FM200
HVAC – Closed Control Units
Installation of Cabinets & Equipment
Mechanical & Electrical Works

Power Network

Communication Racks
DC Distribution Panels
DC Power Distribution Units
Generator Paralleling Switchgear
Generators
Power Distribution Cabinets
Power & Data Cable Trays
Rectifiers
UPS & Batteries

Operations & Maintenance of BTS Sites

Generator & Fuel Management

Engineered Products

Intelligent Electrified Distribution Systems
Irinatech is a renowned manufacturer of a wide range of electrical distribution systems and power and energy management solutions with optimised technology. We manufacture tailor-made electrical distribution systems for smart intelligent homes and large industrial complexes. Our intelligent systems ensures reliability and efficiency to maximise ROI.

The type-tested low voltage switchgear provides assemblies up to 6300A guaranteeing the highest standards in terms of plant safety and reliability, as well as the availability of energy supply in the commercial and industrial environment.

We aim to provide quality products and services that meet the needs of our clients in conformance with legal and statutory regulations, prevailing codes of engineering practice, and industry accepted standards of workmanship. Major industrial organisations, local authorities and consultants have approved our products.

+4,000

Engineered products delivered across key markets:

- Processed Industries
- Telecoms
- Power
- Oil & Gas



Motor Control Centre Panels
Low voltage switchgear for pumping station



Key Capabilities

Intelligent Motor Control Centres
Generator Paralleling Switchgear
Sub-Main Distribution Panels
Power Management Systems
Cable Management Systems

Success Story

Bahrain World Trade Centre

Location	Bahrain
Client	Mercury Middle East
Sector	Commercial Building
Scope	Supply, installation and commissioning of intelligent motor control centres and smart load control centres.

240M **High**

225kW **Wind turbine**

675kW **Wind power capacity**

Background

In the realm of green architecture, the Bahrain World Trade Centre is the world's first skyscraper to integrate wind turbines into its design. This striking structure is also one of the world's first truly intelligent buildings. Wind turbines securing the two towers together give the building its fascinating "sail-shaped silhouette". The towers have been sculpted to funnel the wind and drag air into the turbines for maximum power generation efficiency.

Services

To encapsulate the essence of sustainable philosophy that the building stands for and represents, Irinatech is dedicated to delivering electrical systems and equipment that are efficient, effective and finely-tuned. For the complex and high priority motor loads, state-of-the-art motor control centres as well as smart load control centres were engineered and supplied. Electrical constituents were chosen from the best equipment manufacturers.

With its on-site generation of green energy from the building's own wind turbines, the team at Irinatech specifically designed and assembled power systems, keeping in view the need for enhanced levels of safety, continuity, reliability and durability. The scope of work included the complete range of product development through to the system installations.

▸ **Bahrain World Trade Centre**
Amongst the top ten greenest skyscrapers in the world



Project Highlights

- World's first skyscraper with integrated wind turbines
- Smart power motor control and electrical load centre controls for the world's first truly intelligent building
- Advanced systems with intelligent protection and control

Success Story

Tri-Pack Films Mitsubishi

Location	Pakistan
Client	Tri-Pack Films Mitsubishi
Sector	Food & Beverage
Scope	Engineering, design, supply and installation supervision of the smart electrical distribution system

17,000MT **per annum production capacity powered by intelligent switchgear**

Background

Tri-Pack Films Mitsubishi is a joint venture between Mitsubishi Corporation and Packages Limited to produce Biaxially Orientated Polypropylene (BOPP) films in Pakistan. The key focus is to provide customers with high-quality films.

Services

At Irinatech, we understand the complex processes involved in the packaging industry. To meet the critical infrastructure requirements, one of the leading electrical switchgear equipment manufacturers was chosen as Irinatech's strategic partner to provide intelligent systems.

With this understanding and a strong technical know-how of the industry, Irinatech engineered and manufactured an intelligent, reliable and custom-engineered solution covering the entire spectrum of the low voltage power distribution system.

The system comprised of intelligent low voltage switchgear including generator and transformer control and protection switchgear, with data logging, load control, intelligent power logic data analyser and controller, main distribution boards, sub-main distribution boards and distribution boards, low voltage motor control centres, power factor improvement system, cable management system (power, control and protection) including bus tie ducts and all associated works.

▸ **Smart Low Voltage Power Distribution Network**
Intelligent Electrical Distribution Switchboards



Project Highlights

- Production Energy Optimisation
- Power Factor Improvement System
- Power Monitoring Management System

Success Story







Saudi Aramco

Location	Saudi Arabia
Sector	Oil & Gas
Scope	Supply, testing and commissioning of control panels

Coca Cola

Location	Afghanistan
Sector	Food & Beverage
Scope	Manufacture and supply, installation, testing and commissioning of synchronising system for multiple generators with power management

Bahrain World Trade Centre

Location	Bahrain
Sector	Infrastructure
Scope	Supply, installation and commissioning of motor control centres

OMV Group

Location	Pakistan
Sector	Oil & Gas
Scope	Manufacture and supply, installation, testing and commissioning of LV switchgear

1 LCK Panel of 220kV GIS

2 Control Panel

3 Cable Management System at 220kV LCK Panel

ABB Group

Location	Bahrain and Pakistan
Sector	Power
Scope	Manufacture and supply of numerous LV switchgear(s), synchronising systems, motor control centres

Tri-Pack Films Mitsubishi

Location	Pakistan
Sector	Processed Industry
Scope	Manufacture and supply, installation, testing and commissioning of LV switchgear, cable management system, bus bar risers, erection and installation works

Caterpillar

Location	Pakistan and Afghanistan
Sector	Power
Scope	Supply of numerous LV switchgear(s), synchronising systems, motor control centres and intelligent fuel transfer systems

DG Khan Cement Company Ltd.

Location	Pakistan
Sector	Manufacturing
Scope	Manufacture and supply, installation, testing and commissioning of LV switchgear

Orient Energy Services

Location	Pakistan
Sector	Power
Scope	Supply of numerous LV switchgear(s), synchronising systems, motor control centres and intelligent fuel transfer systems

Nestlé

Location	Pakistan
Sector	Food & Beverage
Scope	Manufacture and supply, installation, testing and commissioning of LV switchgear, cable management system, electromechanical works and plant erection and dock levellers

Vimpelcom Group

Location	Pakistan
Sector	Telecoms
Scope	Supply of power distribution units



Key capabilities

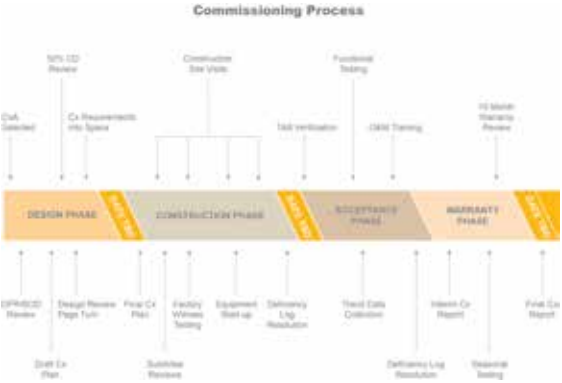
- Commissioning Management Consultancy
- Testing, Adjusting and Balancing (TAB)
- Integrated Systems Testing
- EHS Control Systems
- Technical Authoring
- Operations and Maintenance Documentation

Technical Support Services

Irinatech is exceptional at being able to provide services across the lifecycle of an asset on multiple platforms.

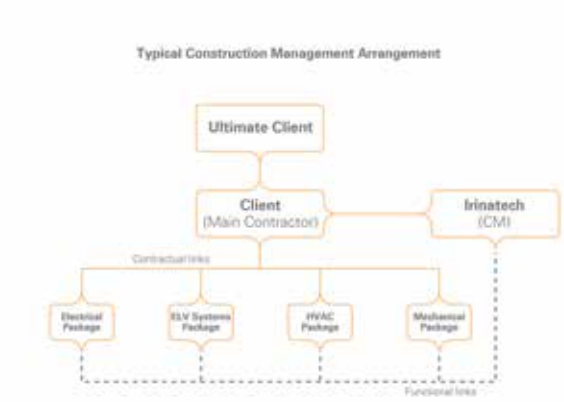
Construction Management

Irinatech has built its reputation on its construction management services in the GCC and we continue to provide a unique proposition with this service offer. Applicable to both ultimate clients and civil contractors alike, we partner with our clients, acting in their interest and managing every aspect of the construction delivery. Irinatech understands how critical it is to select the correct procurement route. By providing a construction management MEP solution to clients, Irinatech can be appointed early in the process to manage the complete services process while giving flexibility to adapt to a demanding project.



Commissioning Management

With increased performance expectations, sophisticated mechanical and electrical designs, and first class infrastructure design and construction, commissioning has become essential to the success of the process. Irinatech Commissioning offers an integrated and independent commissioning service aligned with client objectives. All independent parts are integrated into a functioning whole, making sure that each component is installed and operating correctly, meeting the performance requirements of the design. Proper inspection, testing, and certification of the basic installations and the final element of documentation of the completed building are all key to the process.



◂ **Cable Management System at 220kV LCK Panel**

Success Story

Lusail CP1

Location	Qatar
PM/CM	Parsons
Main Contractor	Sinohydro
Sector	Infrastructure
Scope	Comprehensive MEP project management, and engineering services packages to all aspects of the MEP execution works

39km	**Pipes for potable water firefighting**
37km	**Irrigation channels**
40km	**66kV cables**
70km	**11kV cables**
42km	**Telecommunications cables**
14km	**Utility tunnels**

▸ **Wet tunnel**

Background

The CP1 Utility Tunnel is approximately 12km long with cross lateral sections of tunnel to service the Lusail Development Marina plots. The tunnel has separate wet and dry sections that support mainly electrical and fibre-optic cabling on the dry and potable water district cooling and irrigation on the wet as well as other services. The tunnel structure itself is supported by 28 fan rooms of between 4 and 12 fans and control systems. These supply the ventilation system to the tunnel, used for ventilation heat/atmosphere controlling as well as smoke purging. Within the tunnel and fan rooms there are linear heat detectors and fire reels and extinguishers installed. The emergency systems also include emergency lighting that has battery backup.

Services

Irinatech's experienced and dedicated team took up the project management work and its associated challenges.

Irinatech provided a comprehensive MEP project management and engineering services package to all aspects of the MEP execution works.

Our core responsibility was to provide support to the main contractor in terms of planning, engineering, management and site supervision. We assisted and supported the main contractor and managed all 15 subcontractors with all inter-related MEP works including design, installation, testing and commissioning, training and handover, to complete a prestigious infrastructure project valued at approximately QR5 billion.

Irinatech is also providing full guidance to contractual documentation in all aspects of the project life cycle. KPIs were submitted to the client on a weekly/monthly basis for all types of risk and uncertainties including contractual, financial, safety, liaison with all authorities, QA/QC, health and safety, project closure procedure and documentation.



Project Highlights

- Approximately 12km long with cross lateral sections of tunnel to service the Lusail Development Marina plots.
- Separate wet and dry sections that support mainly electrical and fibre-optic cabling on the dry and potable water district cooling and irrigation on the wet as well as other services.

Success Story

Novotel and Ibis Hotels, UAE

Location	Abu Dhabi, UAE
PM/CM	Irinatech
Consultant	Arab Engineering Bureau
Contractor	Catic
Sector	Hotel & Leisure
Scope	Project construction, procurement and design management

1,900	**Global network**
518	**Rooms**
400	**Parking spaces**

Support main contractor in the planning, engineering, procurement, project management implementation and site supervision

Background

The project involved the construction of two hotel towers, Ibis Hotel and the Novotel Hotel. Both towers comprise of four basement car parking levels, a ground floor, two podium levels that will house restaurants, two mezzanine floors and 20 additional floors offering 518 rooms. Amenities in the project include a swimming pool, a gymnasium, restaurants, a health club, a spa, a jacuzzi and 24-hour security.

Services

Irinatech offered a comprehensive MEP project management consultancy, engineering and designing services package to all aspects of the MEP execution elements.

Our core responsibility was to provide support to the main contractor in the planning, engineering, procurement, project management implementation and site supervision of such directives with a dynamic resource team.

Our role was to assist, support and co-ordinate between the main contractor and all specialist subcontractors with all interrelated civil, architectural and interior design works to complete a prestigious hotel project

In addition Irinatech provided full guidance to correct contractual documentation procedures and correspondences including close-out documentation to all aspects of the project life cycle and stakeholders.

Other KPIs are to advise the client on a daily, weekly and monthly basis of all types of risk and uncertainties including contractual, financial, safety risks, liaison with all authorities, QA/QC, testing and commissioning and project closure procedure and documentation.

▸ **Firefighting system**



Key capabilities

- Comprehensive MEP project management consultancy
- Engineering and designing services package

Success Story







Lusail – Pumping Station

Location	Qatar
Sector	Infrastructure
Scope	Construction and project management

Lusail – Testing & Commissioning

Location	Qatar
Sector	Infrastructure
Scope	Construction and project management

Lusail – SCADA

Location	Qatar
Sector	Infrastructure
Scope	Construction and project management

Lusail – Testing & Commissioning

Location	Qatar
Sector	Infrastructure
Scope	Construction and project management

▲ 1 RO Plant

2 Cable Management System

3 Control Panel

▸ 4 DCS Panel



Turnkey Construction

Our turnkey construction business unit caters for the growing need for a single point of responsibility. In-house engineering and construction management departments allow us to deliver a project from inception all the way to completion and handover. We also offer strategic management of complex projects, complemented by cross-divisional support from our specialist teams.

With the aim of providing an integrated service to our clients based on knowledge and expertise. We can deliver a multitude of services assuring top quality, technically advanced, reliable facilities and equipment on time, within budget and with an impeccable safety record.

Power Plants

Substations

Buildings and Infrastructure



▸ **Ongoing construction project**



Key Capabilities

Preconstruction consulting
Turnkey EPC
Project management
Procurement management
Construction management
Field Engineering
Materials Control and
Logistics QA/QC and HSE

Success Story

220kV and 66kV Transmission Development Project

Location	Bahrain
PM/CM	ABB Group
Consultant	ESBI International
Sector	Power
Scope	Complete electrical and mechanical installation, testing and commissioning services of 220kV-66kV substations

200+ Bays	**220kV and 66kV GIS**
180+ Bays	**11kV and 21kV switchgear**
220/66/11kV	**High voltage cable jointing works**
435 nos.	**Straight joints**
186 nos.	**Terminations**
1 million	**Man-hours without LTI**

▸ **Gas-insulated switchgear (GIS)**

Background

To meet the future economic growth needs of the country and as a response to the increased demand for energy in the Kingdom of Bahrain, the Electricity and Water Authority of Bahrain (EWA) has expanded the 220/66kV transmission network. Every electricity transmission and distribution project is unique and needs specific solutions. This brings with it some of the most difficult challenges in the field of power engineering.

Services

Irinatech installation work comprised of double busbar 220kV GIS and 66kV GIS installations and associated equipment to accommodate the transformer, feeder and bus coupler bay, 21kV and 11kV switchgear and the 220/66/11kV transformers. In addition, the AC/DC auxiliary power supplies, control and protection equipment, installation of FOC cables for telecommunication purpose as well as the remote-end differential protection and associated tele-protection works, earthling, neutral earthing and substation earthing installation works was carried out effectively by a highly motivated team of individuals.

Project scope was not only limited to complete high voltage and medium to low voltage electrical and mechanical installations works but also works in high risk environments of the existing live HV substations such as HV transformer diversion and HV cable jointing and terminations. A team was dedicated exclusively for commissioning support works both before and during outages through the entire project life.

The HV Cable termination works included installation, testing and commissioning of 220kV, 66kV and 11kV XLPE power cables. With its reliable high voltage cable jointing and termination services and an impressive portfolio of previous projects, Irinatech efficiently attended to the project requirement and timely completed the 220kV, 66kV and 11kV high voltage termination works including the HV cable testing.



Irinatech plays a vital role in meeting the increasing energy demand in the Kingdom of Bahrain.

Success Story

Utility Tunnel Control Centre and VIP Access Building

Location	Qatar
PM/CM	Parsons
Consultant	Dorsch
Sector	Infrastructure
Scope	Turnkey MEP package

Background

Lusail is the newest planned smart city consisting of marinas, residential areas, island resorts, commercial districts, luxury shopping and leisure facilities, golf courses and an entertainment district.

Due to a large complex infrastructure all the major services run through wet and dry parts of utility tunnels. The tunnel is a unique part of smart city.

Monitoring of all the services will be carried out from VIP control centre which will oversee district cooling pipeline, natural gas and pneumatic waste services, fibre-optics, pumping stations and medium voltage utilities through SCADA systems.

Services

The control centre is specifically designed to perfection, keeping in view the need of monitoring complexity of services running through tunnels and monitoring of Lusail smart city infrastructure, Irinatech has been contracted to carry out complete MEP services, supply, installation, testing and commissioning for the key equipment packages which includes building management system, energy transfer system, PV solar system, generators and UPS system, low voltage switchgear, extra low voltage (ELV) systems, alarm and detection system, lighting control system, HVAC systems, earthing and lightning protection system, cable management system including structured cabling system, fuel transfer system, chemical dosing and water treatment systems and drainage systems.

Control Command Centre

Ongoing work at the VIP utility tunnel access building command and control centre



Project Highlights

- LCCC is the heart of Lusail Smart City where all smart services management and monitoring will be centralized.
- Operation Center provides a central monitoring and management facility.
- Data Center provides the necessary processing, networking and storage requirements.

Success Story







Storm Water Pumping Station Lusail

Location	Qatar
Sector	Infrastructure
Scope	HVAC system, generators, ELV/LV/HV, transformers, SCADA, firefighting systems, fuel transfer systems

Galaxy Power Plant

Location	Pakistan
Sector	Power Generation
Scope	Supply, installation, testing and commissioning of MV, LV, ELV, cable management systems and earthing lighting protection systems

Nokia Siemens Networks

Location	Bahrain
Sector	Private & Commercial Networks
Scope	Supply, installation testing and commissioning of LV, DC systems, UPS, and power distribution units

AES Lalpir & Pakgen

Location	Pakistan
Sector	Power Generation (IPP)
Scope	Engineering, supply, installation, testing, commissioning and training of ATS with back synchronising system for dual mains and diesel generators



Thatta Cement Co. Ltd.

Location	Pakistan
Sector	Power Generation
Scope	Supply, installation, testing and commissioning of MV, LV, ELV, cable management systems and earthing lighting protection systems

Master Tiles

Location	Pakistan
Sector	Power Generation
Scope	Supply, installation, testing and commissioning of MV, LV, ELV, cable management systems and earthing lighting protection systems

1 LCK Panel of 22kV GIS

2 150MVA Transformer Cooling System

3 Cable Management System at 220kV Basement

4 Utility tunnel

Our Approach

We partner with our clients, acting in their interest and managing every aspect of the project delivery, while balancing the competing project constraints including but not limited to scope, quality, schedule, budget, resources and risks.

Project Management
Irinatech provides complete project management services for clients which incorporate key process groups: initiation, planning, execution, monitoring and controlling and handover.

Quality Assurance and Quality Control
Our quality management system helps to ensure we meet a number of key objectives, which include maintaining strict quality control in projects, meeting our commitments in a timely manner, developing and maintaining long-term relationships with quality vendors, and embracing a culture of continuous improvement. The standard for quality at Irinatech orientates itself on the high demands of our customers.

Irinatech is an innovative company, placing its customers' demands with respect to products and services. Our Company has been certified in accordance with ISO 9001:2008 standard.

Environment, Health and Safety
Irinatech is fully committed to achieving the highest standards of environmental, health and safety (EHS) management and creating a safe work place at all times. We believe this holds a fundamental key to the success of our business and all incidents are preventable.

Corporate Social Responsibility (CSR)
Irinatech is passionate about creating a successful and sustainable business and places great emphasis in doing everything in a responsible, fair and ethical manner. These values are embedded deep in the heart of everything that we do.

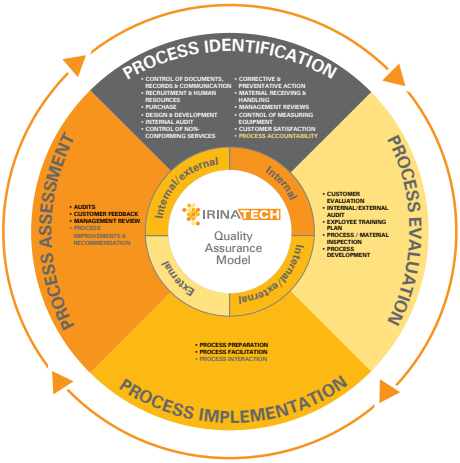
We value the trust, honesty, innovation and reliability, within our organisation and between it and others with whom we do business. These values underpin our success and have been cherished by us during our history. They will contribute to the continued success of Irinatech wherever we operate.

ISO 9001:2008	**Quality Management System**
ISO 14001:2004	**Environmental Management System**
OHSAS 18001:2007	**Occupational Health & Safety Management System**

Project Delivery Model



Quality Assurance & Quality Control Model



Centralised Supply Chain Model





Valuing people, professionalism and quality

All business units benefit from rigorous processes and systems that support our operational execution to ensure on-time, in-full delivery to the end user.

This applies to all parts of our business – whether it is building power plants or providing project management solutions on complex construction sites.

A broad and growing client base



CEMENT
DG Khan Cement
Fauji Cement
Thatta Cement



CHEMICALS
Akzo Nobel
Clariant
Hi Tech Lubricants
ICI
Procter & Gamble



DATA CENTRES & TELECOMMUNICATIONS
Alcatel-Lucent
Motorola
Menatelecom
Nokia Siemens Networks
Orascom
VIVA Bahrain
Warid Telecom
Wasel Telecom
Wateen Telecom



FOOD & BEVERAGE
Coca-Cola
Engro Foods
Mezan Beverages
Nestlé
Pepsi
Tetra Pak
Unilever



HOSPITALITY & LEISURE
Ibis Hotel
Novotel Hotel



INFRASTRUCTURE
Bahrain City Centre
Bahrain World Trade Centre
Descon Engineering
Lusail Real Estate Development Company



POWER GENERATION
Caterpillar
Cummins
GE Jenbacher



OIL & GAS
Aramco
MOL Group
Oil & Gas Development
OMV Group
PPL Corporation
Sui Northern Gas Pipelines



PACKAGING
Tri-Pack Films Mitsubishi



POWER
ABB Group
AES Lalpir & Pakgen
Allied Engineering & Services
Altern Energy
Chashma Nuclear Power Plant
Electricity & Water Authority – Bahrain
Galaxy Textile Mills
General Electric
Hubco
K Electric
Orient Energy Systems
Saudi Electric Company
Sitara Energy
Walters Power International



PULP
Bulleh Shah Packaging (Stora Enso Oyj and Packages)
Century Paper Mills & Board Mills



TEXTILES
Interloop
Nishat Mills
Sapphire Textile



TOBACCO
British American Tobacco
Philip Morris



WATER
KSB Group
Metito Overseas

If you would like to learn more about Irinatech contact us.

www.irinatech.com



Pakistan
14KM Multan Road
Lahore

T : +92 4237510011
F : +92 4237510928
E : info.pk@irinatech.com