

# A Strong Foundation for **Tomorrow**

VISION رؤية  
**2030**  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA



[www.ideasolutionsksa.com](http://www.ideasolutionsksa.com)

**idea**  
Solutions

# Welcome To Idea Solutions

**IDEA SOLUTIONS** specializes in and delivers services in Engineering and construction phases like Structural, Architectural, Mechanical, Plumbing/Piping, Civil, Building Information Modeling and Project Management. We make sure that every client who is associated with us gets the complete service that is right for the project. Providing accurate and qualitative work is what makes the business and the relationship grow between the company, clients, and engineers. IDEA SOLUTIONS is driven by world-class technology that saves lots of costs and helps us to deliver exactly what our client needs.



**We are committed to deliver quality designs within the timeline provided by clients worldwide.**

We have successfully established itself as a dynamic engineering industry which provides greener and innovative solutions as per client requests and on demands.

## Our Mission

IDEA SOLUTIONS is a premier provider of world class engineering services across the globe. The purpose of serving clients is to provide them with one stop- solutions for all engineering services.

## Our Vision

We strive hard to fulfill all our client requirements and always try to provide them greener and innovative solutions. IDEA SOLUTIONS have enough manpower that makes us survive in a dignified industry by offering all engineering solutions under one roof.





# Architectural Engineering

Architectural design is a discipline that focuses on covering and meeting the needs and demands of the client, to create living spaces, using certain tools and especially, creativity. Therefore, the aim is to combine the technological and aesthetic views of the structure, despite the general belief that architecture is only a technological task.

In the same way, it mixes design and architecture, which is based on the creation and presentation of solutions at a technical level. By mixing both disciplines, architectural design seeks the values and formal qualities of

the works. In general, we project it with drawings, sketches, or outlines of a project, and it is one of its fundamental bases. In this aspect of architectural design, there are also other factors involved, that are related to geometry, space or aesthetics, among others. After all, architecture, and therefore architectural design, is made up of many elements and processes or phases.

We offer a complete image of the architecture design services driven by the criteria of five phrases of Architectural Design which obtain the customers' needs. As following:

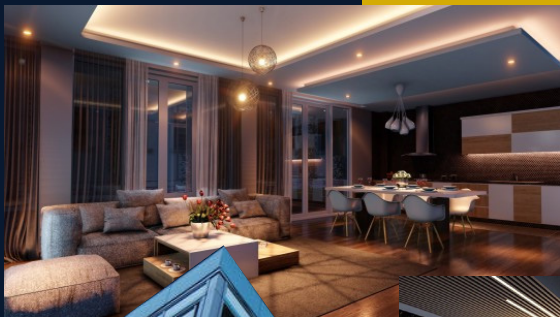
- **Schematic Design** - Site Planning, Design Concepts & Options

- **Design Development** - Developed Elevations and Floor Plans

- **Engineering Documents** - Construction Drawings, BOQ and Material Specifications with samples

- **Additional Architectural Services** - Model Building & Computer-Generated 3D Modeling

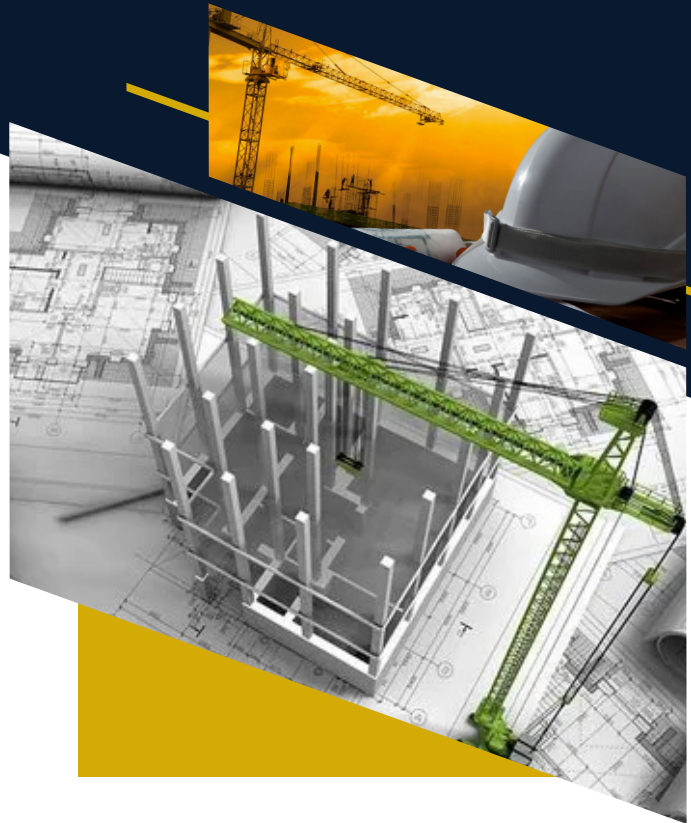
- **Material selection and Rendering**



# Civil & Structural Engineering & Execution

Structural engineers are primarily concerned with designing and constructing buildings and structures that are safe and capable of withstanding the elements to which they will be exposed, as well as improving the structural integrity of existing buildings.

Our structural engineering capabilities include all types of structural analysis, design, evaluations, development of construction documents, and construction phase administration services. We assist various owners in taking projects from conceptual ideas through completed construction documents, following the project during the construction phase and reviewing shop drawings, answering questions, and performing construction observations. We work closely with all members of the design team to offer solutions through our engineering expertise and experience.



We apply creative ideas and practical designs using the latest technology to projects using steel, concrete, Light Gauge steel sections, masonry, and wood as building materials. Our structural engineers offer two and three-dimensional structural analysis under both static and dynamic loading through the use of specialized software. Additionally, our engineers are well versed in the variety of seismic, snow, and wind load conditions found from coast to coast, and the hurricane-force winds in the Pacific Rim.



Structural team provides comprehensive services. Our team communicates with the architectural and MEP team to ensure structural considerations are incorporated into design from day one. This cooperation translates into buildings that are efficient, effectively coordinated and cost effective.

Our advanced Structural Design and Analytical Services shall cover the following

- Structural Analysis & Design
- Structural Steel Detailing & Evaluation
- Foundation System and Concrete Design & Analysis
- Steel Structure Design and Detailing
- Modular Building Design
- LGSF Design and Analysis
- Pre-Engineered Steel Building Design and Detailing
- Construction Detailing & Drawings
- Proof Checking & Advisory Services
- Steel Analysis & Steel Design
- Skid Structure Design

Our Structural Consultant Services shall cover the following:

- Design calculations and Detailed design report
- Foundation Layout and Schedule
- Structural Framing layout, and details
- Bar Bending Schedule
- Shop drawings and Part numbers
- Steel erection layout
- Roof truss shop drawings and erection drawings
- BOM – Bill of Materials
- Erection drawings for steel structures
- Connection drawings and blown-up details
- Quantity Estimation
- As-Built Drawings
- Preparation of fabrication drawings





## Mechanical, Electrical & Plumbing (MEP) Engineering & Execution

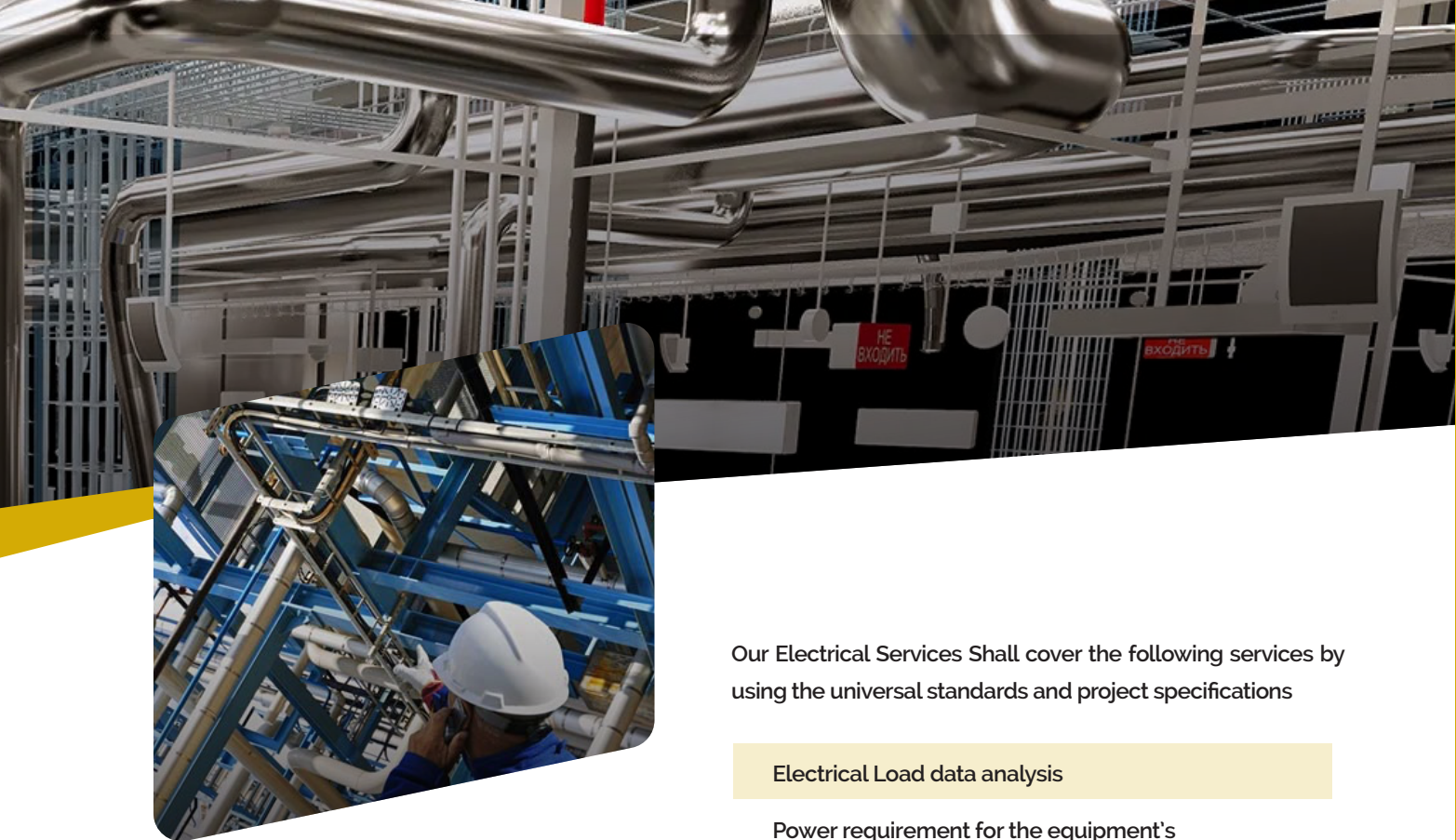
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MEP engineering is the use of scientific principles to design and build Mechanical, Electrical and Plumbing systems of a building. MEP engineers research to find the best design and develop specifications for installers, mostly surrounding HVAC, home wiring and piping. MEP installations are typically addressed together to avoid design conflicts.

We offer various engineering services that provides a comprehensive design approach in the building structure and services of mechanical, electrical and plumbing. Study and design all kind of electrical drawings for residential, commercial, and industrial projects, calculate the electrical loads for the low, medium, high voltage, and calculate the voltage drop, calculate cables size, design & calculate all kind of lighting Fixtures, and provide supervision services during the construction.

Study and design all mechanical for residential, commercial and industrial projects, such as central air conditioning, water cooling (Chiller systems), indoor units, cooling and ventilation, thermal and acoustic insulation, study and design Fire Fighting System water, sewage distribution, and elevator and escalators system and provide supervision services during the construction.





Our advanced Structural Design and Analytical Services shall cover the following

Heating Ventilation & Air-conditioning systems

HVAC Load calculations

Calculations of Heating and cooling

VRF System

Piping and Ducting Design

Heat Recovery Systems

Air Handling Units

Piping Systems and Piping layout

Plumbing system and Utility services and design

Fire Fighting system design

FM 200 Fire suppression System

Leak detection system

Water supply, Rainwater, and Sewerage system

Building Management system design

Our Electrical Services Shall cover the following services by using the universal standards and project specifications

Electrical Load data analysis

Power requirement for the equipment's

Electrical Panels and Distribution Boards design

Electrical Distribution Architecture and Single line diagram

Metering, Control, and protection

Cable schedule and sizing calculations

Material takes off lists

ICT System Design

Security systems

Public address system

Fire detection and alarm system

Lightning and surge protection system

UPS System and Low voltage power distribution networks

Lighting system design

Solar System Design

# Execution & Project Supervision

Construction and Project Supervision is the process of ensuring that the project is built in accordance with the requirements of the contract documents, approved plans, specifications, building codes, building code standards and applicable local codes and ordinances.

Our construction management approach treats the planning, design and construction phases of a project as integrated tasks, as opposed to separate and linear functions. Members of the project team work together from the commencement of the design through till the completion of the project, always keeping the best interest of the client in mind.

- Inspect construction work to ensure compliance with building standards and project specifications

- Review plans to identify potential violations

- Document inspections and report any issues

- Determine the quality of materials being used through testing



Backed by specialized team, engineers, Quality supervisors, HSE supervisors and architects, we offer services related to all wings of Civil and Structural Works especially Accommodation units, Modular Buildings, PEB structures and Industrial steel structures etc.,

Our Construction Services Shall cover the following services by using the universal standards and project specifications

- Construction and Erection of Modular Buildings

- Construction and Erection of PEB structures

- Construction of Building Foundations, Trenches, Roads, and pavements etc.,

- Building Architectural and Interior Works

- Mechanical Equipment Erection

- Electrical & Instrumentation Installation

- Electromechanical & HVAC Services for Building Works and Specialist Finishing Trades. Sophisticated Management Controls are used for Planning and Monitoring the complex projects in order to ensure safe

- Timely And Effective Quality Construction





# Fabrication Services

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**IDEA SOLUTIONS** Fabrication is a full service contract manufacturer supporting a wide spectrum of Industries in Fabrication in The Kingdom Of Saudi Arabia. We provide quick-turnaround metal fabrication to oil companies, drilling companies, oil and gas support industry, oil exploration, and oil production facilities. Quick response enables our customers (petroleum, offshore, oil and gas drilling) to stay in production without interruption. At **IDEA SOLUTIONS** Fabrication, we have been providing Oil, Gas, and Energy industries with specially treated and custom-made metal products for heavy industrial applications Using a complete range of cutting-edge tools and precision manufacturing of industrial sheet metal, we deliver timely and cost-effective solutions that keep your project on schedule. To request an estimate, Please contact us via email or phone today.

**We are Specialized in The fabrication of various products to both offshore and on- shore drilling services**

We also undertake all types of repair and maintenance work Our product range in detail :

Diesel Tank, Gasoline, Double Wall 500 Bbl Tank, Portable Water Tank, Mud Tank, Intermediate Tank. Suction Tank, Cement Tank With Piping, Generator Sound Proof Enclosure With Skid, Electrical Store, Mechanical Store With Master Skid, Electrical Workshop, Mechanical Workshop, Work Area With Master Skid, Bop Store, Drilling Store With Master Skid Fabrication Of Briefing Container, Office, Senior, Junior Accommodation, Canteen, Masque, Clinic, Ablution Containers Etc.



## Manpower

The Manpower and Support Services Division of Cloud Seven is providing professional support services on a temporary, contract, or permanent basis based on client requirements. Our professional team has years of experience in meeting client requirements with regard to the supply of professionals. We are maintaining a database of available personnel that can be mobilized on short notice.

We offer professional expertise in evaluation of workers in their skill and efficiency. We have years of experience in supporting industrial giants of the respective region by mobilizing well experienced and excellent manpower as per their requirements. We are maintaining team of well versed admin staff for training, mobilizing and database updating



### Our Specialties

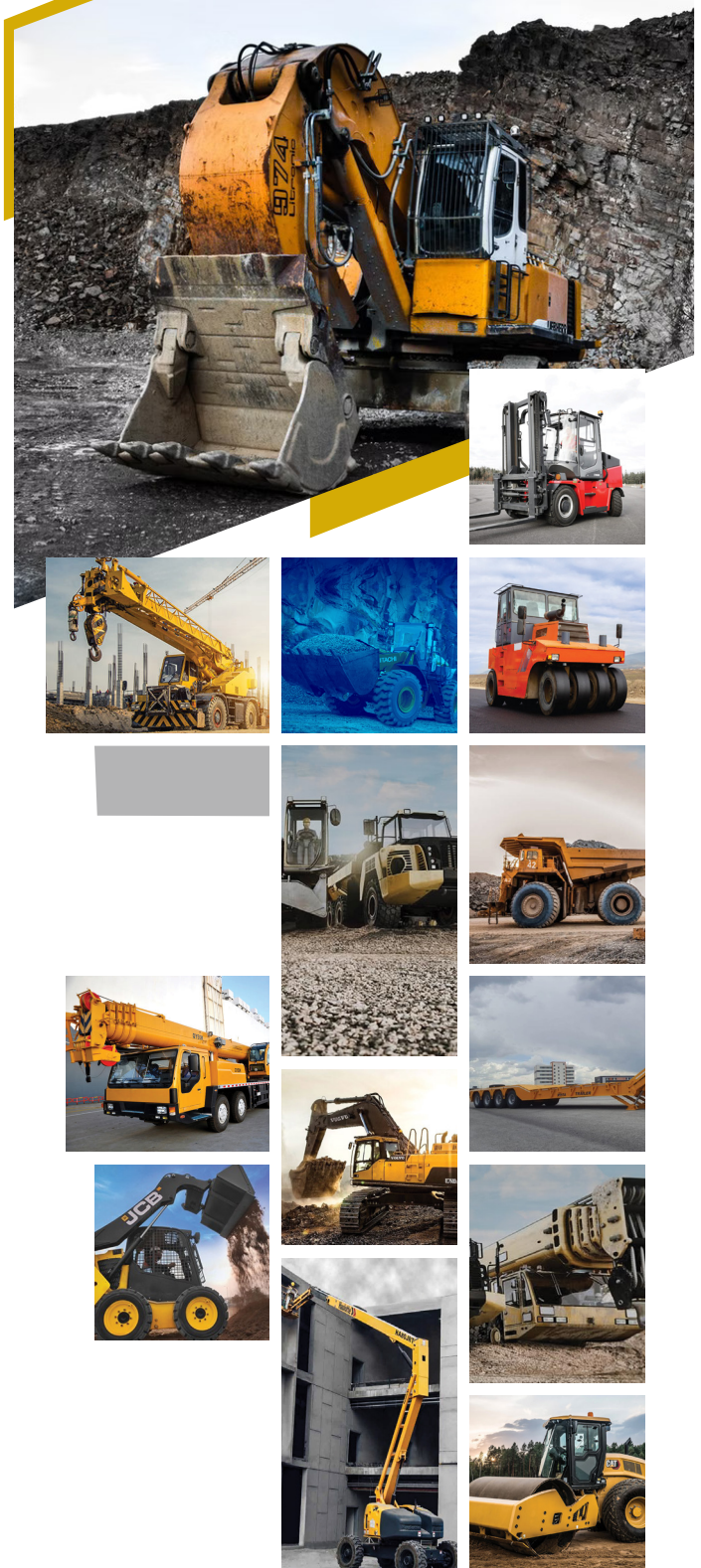
- Managed by the industry's most experienced & well trained staff.
- Country wide database ensuring immediate recruitment and mobilization.
- Frequently updated databank
- Continuous monitoring & upgrading of new project developments
- Direct Affiliation with leading Job Portals



## Equipments

**IDEA SOLUTIONS** is committed to provide the highest quality rental services. Our equipment fleet ranges from forklift, Light vehicles and other Light equipment to heavy equipment like Earth movers, Cranes and Heavy vehicles. You can always rent with confidence from us because we'll provide what you need. We offer 24-hour emergency service, protection against equipment damage or maintenance, and comprehensive rental solutions through our specialty divisions.

Our equipment is maintained to the highest standards, and has Accreditation Certificates from various test authorities in the region. Our dedicated service engineers work tirelessly to minimize our equipment's downtime. Our operators are trained to act in accordance with strict safety standards. We have a dedicated team of engineers and HSE experts to train them in-house.







# A Strong Foundation for Tomorrow

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