

BUILDING ENGINEERING



From developing new buildings and industrial facilities, to smart city projects, ICS provides value-added design and engineering solutions

Our extensive experience in the execution of mega-scale turnkey projects allows us to support high-performance buildings, including all phases of development from initial studies and conceptual designs, to detailed engineering plans, advanced infrastructure design and workspace optimization. Our innovative thinking and expertise, in multiple fields, allow for integrated solutions that achieve improved building and infrastructure efficiency, while implementing architecturally iconic designs. With the help of BIM, we optimize buildings' constructability and, physical design of spaces, and mitigate unforeseeable future challenges.

Our Services:

- ◆ Site Planning & Engineering
- ◆ Environmental Studies
- ◆ BIM Architectural Design
- ◆ Civil Structural Engineering
- ◆ Infrastructure Design & Engineering
- ◆ Workspace Optimization
- ◆ Interior Design
- ◆ LEED Consulting
- ◆ Specifications & Documentation
- ◆ Environmental Compliance
- ◆ Regulatory Compliance



BIM Architectural Design

BIM allows to accurately visualize and assess the physical and functional aspects of the various structures and infrastructure, prior to a project's initiation, in order to reduce construction costs, minimize construction time, and increase interoperability.



Architecture

Architectural projects reflect our client's functional requirements and their greatest ambitions for buildings' aesthetics and convenience. We focus on selecting and integrating materials, practices and processes into the design ensuring iconic architecture and outstanding interiors.



Workspace Optimization

Whether it is a workflow or space layout, furniture or equipment selection, workplace optimization plays an essential role for optimizing human performance and efficiency. Our design solutions incorporate ergonomic principles and lean methodology to maximize spaces utilization and improve productivity.



Interior Design

Combining science, technology and creativity, we design functional, safe and visually appealing environment. ICS Arabia's interior design teams work alongside building engineers and architects and optimize spaces, improve occupants' comfort and productivity. It could be either mission critical facilities, industrial, or residential buildings.

We also bring our expertise in lighting design by 24-hours approach. We design sustainable solutions with high visual convenience, while focusing on energy efficient solutions, and integrate both daylight and architectural lighting in harmony.

ICS Arabia architectural design and engineering is focusing on meeting the building's function requirements and understanding the operational drivers of our clients



"Our goal is to design functional and efficient facilities without compromising on aesthetical aspects, occupants' convenience and foremost the highest quality."