

CORPORATE PROFILE

ICS Arabia Story | Key Achievements and Capability Overview



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 ICS
العربية ARABIA

BUILDING THE SMART FUTURE

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ICS Arabia
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Offering



FOREWORD

ICS Arabia is **an Innovation and Client-driven Organization** with a Mission to Accelerate the Development of Smart Cities and Digital Infrastructure

ICS was founded in 2003 with a vision of becoming the leader in smart ICT solutions for Government and Public Sectors in the United States. In 2012, ICS Arabia was established in the Kingdom of Saudi Arabia, and we grew to become the comprehensive solution provider in a myriad of business domains, such as Smart Cities, Data Centers, and Digital Government.

We foresee ICS Arabia as the company of choice across the Kingdom of Saudi Arabia and globally. By innovating and constantly challenging conventions, we provide our clients with the most advanced, practical, and cost-effective solutions. We are committed to delivering excellent services to the government agencies, ministries, public service providers, and commercial industry clients.

Sincerely,
ICS Arabia, OneTeam

ICS Arabia Primary Goal is to Support the Development of Smart Cities and Digital Infrastructure in the Kingdom of Saudi Arabia and the Region

LEADING INNOVATION

Words from the **Leadership**



Driving Technological Advancement and Saudization

ICS Arabia drives digital advancement to accelerate the Kingdom's digital transformation in line with the KSA Vision 2030. We are proud to take part in the robust and rapid growth across the Kingdom, in various segments including the development of Smart Cities, Smart Healthcare, and Digital Government. Our proven track record of successful delivery of projects earned us trust from Ministry of Interior, Ministry of Defense, and several other government agencies. ICS leadership and its expert team remains committed to delivering industry outstanding services, with focus on timeliness, budgets and long-lasting innovation.

Ahmed Reda

General Manager/Board Member



Leveraging Years of Experience and Expertise

ICS Arabia's strength lies in our multi-discipline and agile teams of architects, engineers and technology experts, who collaborate to seamlessly incorporate advanced technologies and proven solutions, while ensuring quality and cost savings. We constantly leverage technology and our experience to bring decisive advantage to both the public and private sectors, in a wide range of disciplines. Our architectural design, MEPF, and ICT engineering, construction, building automation, and IT engineering services are complemented by our Digital Enterprise solutions.

ICS Arabia's competitiveness lies in our expertise in international standards, local know-how and innovative, technology-driven mindset along with our commitment to deliver the promised high-quality services to our customers. We collaborate with industry leading organizations to further strengthen our proposition and provide turnkey future-proof solutions to our clients.

Fahad Raza Khan

CEO

ICS ARABIA STORY

ICS Arabia's history reflects a long path of achievements, and a journey of success of which we are proud of. Founded in 2003, as an ICT solutions provider, ICS has greatly evolved to offer turnkey solutions for large-scale projects in the domains of Smart City, and Buildings Automation, Tier Certified Data Centers' Design-Build-Operate, Smart Healthcare technology, and services for Digital Government and Digital Enterprise.

VALUES

Innovation
Collaboration
Synergy

OUR STRENGTH

Trust
Services Excellence
USA Reachback

PIONEERING IN KSA

Scaleable Technology
Agile Methodology
Next-Gen Data Centers

Bringing Technical Expertise and
Cutting-Edge Technology
for a Digital Future and
Helping our Clients Succeed



20

Years of
Experience



70+

Unique
Clients



120+

Projects
Completed



2000+

Reach Back to Skilled
Workforce & Operators



**2 BILLION
SAR**

Value of Projects
Delivered



75 ENGINEERS

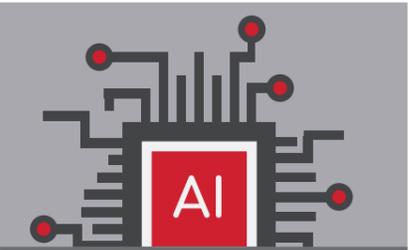
SEC Approved
Engineering Staff

AT A GLANCE

ICS Arabia Delivers **Innovative Solutions** to Critical Challenges and Drives Technological Advancement to Achieve the Better Tomorrow

Our Multidisciplinary Teams Allow us to Offer End-to-End Delivery for the Most Complex Projects and Programs in a Timely and Efficient Manner

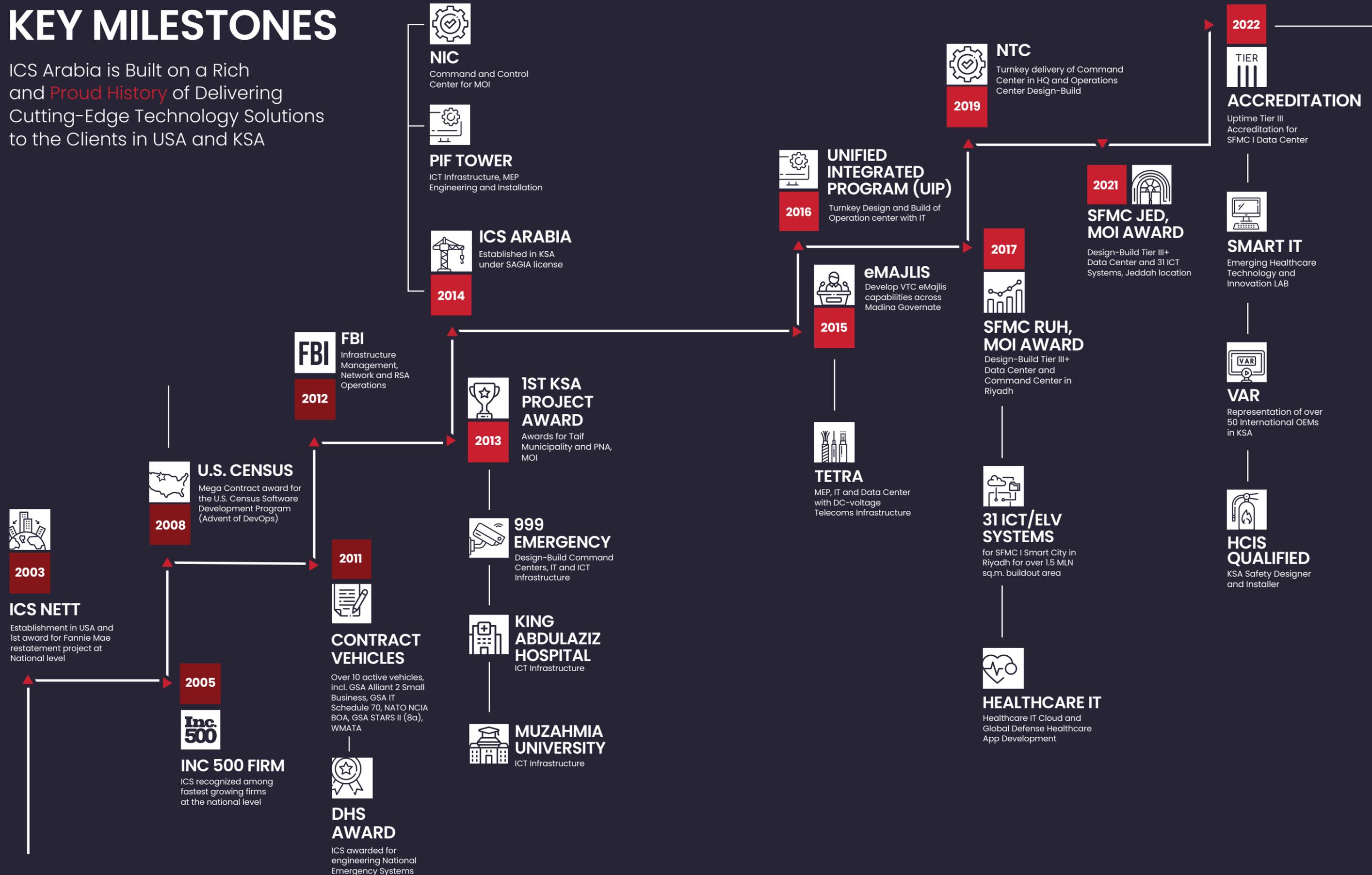
CORE BUSINESS DOMAINS

 <p>Smart Cities and Buildings</p> <ul style="list-style-type: none"> • Design, Engineering and Construction • MEP and Fire Safety • ICT/ELV Engineering • Building Automation • Energy Management • Operations and Maintenance • Procurement and Project Management 	 <p>Mission Critical Facilities</p> <ul style="list-style-type: none"> • Data Centers • Command and Control Centers • Call Centers • Uptime Tier Certification • Day-2 Support • Cybersecurity • Cloud-based Services 	 <p>Digital Government</p> <ul style="list-style-type: none"> • Strategy, Planning and Implementation • DevOps • Smart Automation • Mass Transit/Train Control Systems • Cloud Transformation Data Analytics 	 <p>Digital Enterprise</p> <ul style="list-style-type: none"> • IT Modernization and Optimization • Process and Operations Automation • App Development • Cloud Based Integration • Enterprise Data Management 	 <p>Smart Healthcare</p> <ul style="list-style-type: none"> • Hospital Management Systems • Asset Management • Digitalization • RTLS/RFID • Data Centers Design-Build and Operations • Internet of Medical Things (IoMT) 	 <p>Emerging Technologies</p> <ul style="list-style-type: none"> • ICS Arabia LABS • Artificial Intelligence • Machine Learning • Internet of Things (IoT) • Predictive Analytics • Big Data • Cloud Computing
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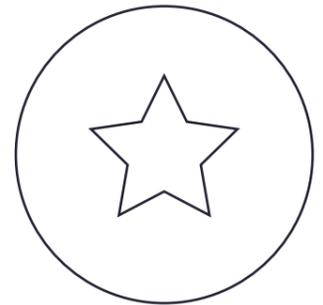


KEY MILESTONES

ICS Arabia is Built on a Rich and **Proud History** of Delivering Cutting-Edge Technology Solutions to the Clients in USA and KSA



COMPLIANCE AND STANDARDS



Success Drivers

Futureproof

We combine the most advanced technologies, most innovative and unconventional solutions with optimum quality and outstanding services that exceed our customers' missions and goals and meet the needs for future advancement.

Commitment

We are proud to have an exceptional record of success delivering on our commitments to our customers. Our top priority is to provide total solutions and exceptional service, within the financial and time requirements of our clients.

Improved ROI

ICS Arabia focus is to provide cost-effective and long-lasting results. Our engineering innovation and automation solutions help our clients to reduce operational costs, extend assets life cycle and all together reduce the total cost of ownership.

Innovation

We deliver massive scale projects that require a combination of in-depth knowledge and expertise, most innovative minds and highest level of synergy. We aim to pioneer and constantly introduce new solutions that reshape industry standard for the most advanced future.

Collaboration

We work together as one team to accelerate ideas and push the limits of creativity to bring the most advanced solutions and optimize value to our customers, partners and all our shareholders.

Talent Development

We develop future industry leaders and support our employees' professional development and career growth. We encourage new ideas and foster a culture of synergy and innovation. We are proud to have a diverse team with local talent.

Specialized Expertise



Uptime Institute Tier Accreditation

ICS Arabia's in-house team of Accredited Tier Designer (ATD) certified engineers are experts in all tiering levels for Design, Construction and Operation for Uptime Tier I – IV as per client's requirements.



Bicsi Standards

ICS is a Bicsi Corporate Member, and our engineers ensure all designs, installation and integration of ICT are developed accordingly to the latest creates standards and guidelines.



TIA Certification

ICS Arabia TIA Certified engineers assure data center and smart building requirements for the globally-recognized ANSI/TIA-942 standards



LEED Certification

Many ICS Arabia projects earned Silver and Gold LEED certifications and complied with requirements for healthy, highly efficient, and cost-saving green buildings.



Facility Guidelines Institute

In-depth expertise in planning, design, and construction of hospitals, outpatient facilities, and residential health, care, and support facilities



CMMI 3 Certified

We are CMMI Level 3 certified organization, achieving both project and organizational performance objectives

Certifications



SELECTED CLIENTS SAUDI ARABIA



Presidency of State Security

Data Centers, Telepresence Studio with AV Solutions, Facility Upgrades



Public Investment Fund

ICT Infrastructure Engineering and Installation, MEP and ELV Systems



Saudi Data & AI Authority

Tier 3 Data Centers and Command Centers Design-Build, ICT & ELV, Cybersecurity



National Information Center

Operation Centers Design-Build, IT Infrastructure Development and Optimization



Saudi Arabian Military Industries

Industrial Facilities Design, Site Planning and Studies, Budgeting and Scheduling



Ministry of Interior

Tier 3 Data Center and Command Centers Design-Build-Operate, IT Engineering and Digital Government



Saudi Police

Emergency Response Centers (911) Design-Build, ICT & ELV, Cybersecurity



Ministry of Education

Complete ICT Infrastructure Development for Universities



King Fahad Medical City

ICT Infrastructure Design and Systems Installation



National Travellers Security Center

Data Centers, Operations and Command Centers Design-Build



Security Forces Medical City

Complete Smart City Solutions including 31 ICT Systems and Data Centers



Technology Control Co.

Design and Operational Delivery of Multiple Projects

SELECTED CLIENTS USA



Department of Justice, Federal Bureau of Investigation (FBI)

Infrastructure Management Network & RSA Operations



Federal Aviation Administration (FAA)

IT Infrastructure Management



Department of Veteran Affairs

Primary Data Center Build and Management



US Defense Health Agency (DHA) Military Health System (MHS)

US Defense Health Agency (DHA) Military Health System (MHS)



Federal Emergency Management Agency (FEMA)

IT Transformation from Legacy to Service Oriented Architecture



Criminal Justice Information Services (CJIS)

FBI Biometric Fusion Center Commissioning & Testing



Department of the Navy NAVFAC (Facilities)

MEP Engineering and Implementation



United States Bureau of Census

Application Development, Testing, Systems & Security Support



Bureau of Alcohol, Tobacco and Firearms (ATF)

Network Management Support Center



Department of Commerce, International Trade Administration

Secure Space Infrastructure



National Oceanographic & Atmospheric Administration (NOAA)

SCS Cable Design and Installation



Silver Spring ATC Rehabilitation

Design, Engineering and Build for Multiple Metro Lines

ONE TEAM

We are ICS Arabia, a company of innovators and developers committed to building a smarter, technologically advanced and safer future.

Our team is highly committed, dedicated and result-oriented professionals with exceptional abilities in a wide range of disciplines. Team ICS Arabia upholds the highest ethics and values and respect diversity, trust, integrity and transparency. We work together with passion, as one team, towards a common future that propels us to go beyond conventional thinking and foster creativity while attaining unmatched results. We work diligently to incorporate the latest technology and bring advancement and innovative solutions to our customers to meet their most complex missions.



Khanh Hosi
EVP, Capital Projects



Ken Blount
EVP, Contracts/Risk



Abdullah Almazny
Director, Operations & HR



Fawad Faruqi
VP, Contracts/Project Control



Ather Anwar
Director FLS



Noura Al Ali
Bidding and HR Specialist



Muzzammil Syed
ICT and ELV Engineering



Nazir Ahmed
Finance & Accounting



Hussein Osseili
Procurement and Logistics



Ahmed Al Anazi
Network Engineer



Mohammad Ali
Building Automation Technology



Mohammed Almasri
VCTA-DCV Engineering



Farah Zeid
Bidding & Contract Specialist



Essam Refaat
Passive Technologies



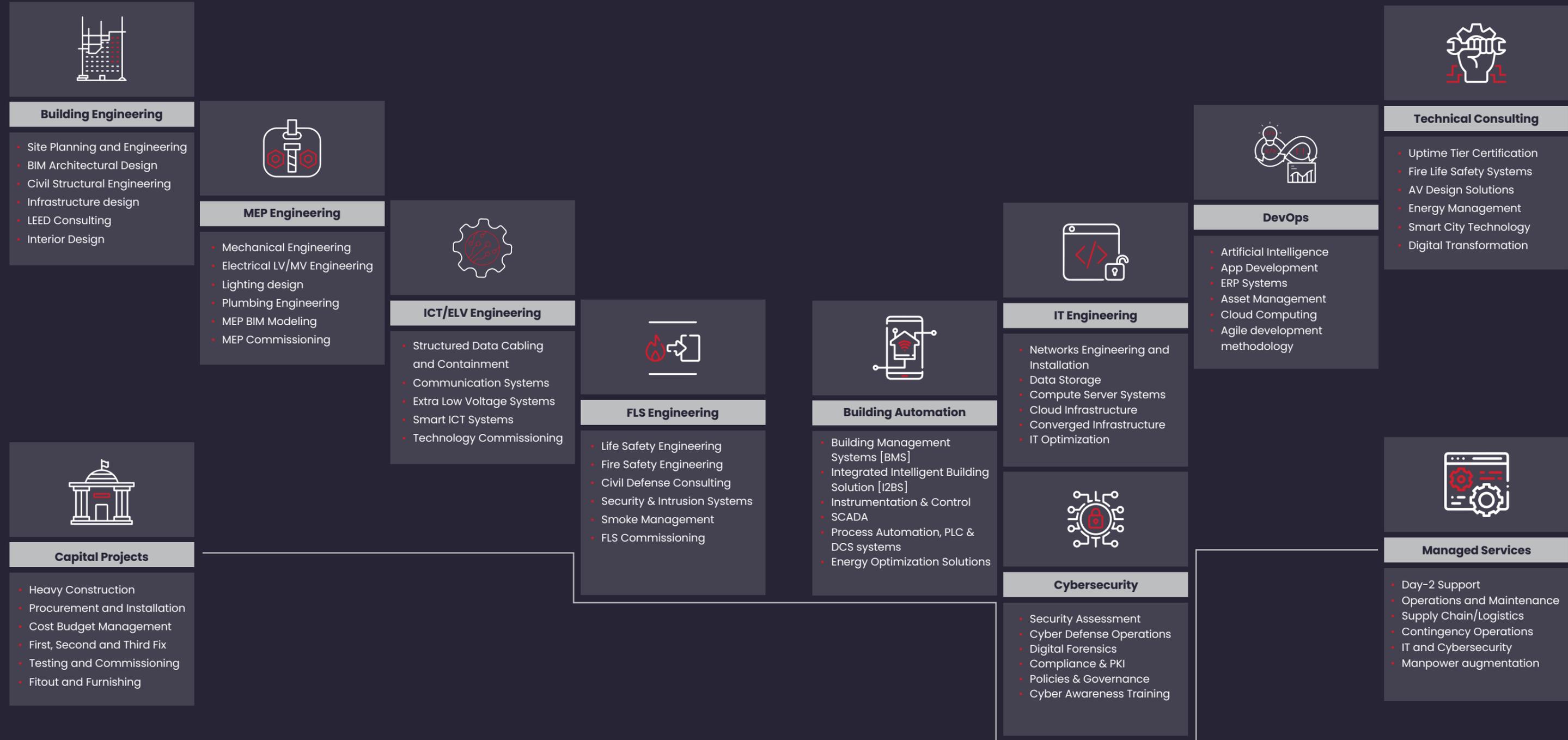
Ahmad Mansoor
Construction Manager



Hamza Al Subki
Electronics Automation Engineer

SERVICES

ICS Arabia takes on clients' most complex challenges and brings innovative, cost-effective, and proven cutting-edge solutions. We deliver end-to-end services spanning value-added engineering, building automation, and digital infrastructure development to digital enterprise solutions as a trusted partner.



SOLUTIONS



Tier Certified Data Centers

- Uptime Institute Tiers Compliance
- Design – Build
- Networks, Systems and Storage Engineering & Management
- Cloud Computing and Storage
- Data Centre Optimization & Management
- Data Center Infrastructure Management (DCIM)



Cloud Computing

- Government Cloud solutions
- IT Systems Design/Development
- Big Data Infrastructure
- Virtualization
- Cloud Transformation
- Data Migration
- Cloud Cybersecurity Management

Digital Government

- Digitization Strategy
- Enterprise Architecture
- IT Modernization/Transformation
- Smart Automation
- Big Data/Data Analytics
- Geospatial Data Visualization



Healthcare Technology

- Health Management Information System (HMIS)
- Electronic Medical Records (EMR)
- Patient Archiving & Communication System
- Internet of Medical Things (IoMT)
- Real Time Location Systems (RTLS)/Radio Frequency Identification (RFID)



Command & Control Center

- Network Operations Centers
- Security Operations Centers
- Public Security Surveillance Centers
- Hospital Operations Center
- Mission Critical (e.g. Security and Intelligence, Public Safety, Military)



Industrial Automation

- System and Process Automation
- Smart Factory Design
- Robotics
- Industrial Internet of Things
- Enterprise Resource Planning (ERP)
- Cloud Integration

Smart Cities and Building

- Physical Infrastructure Design
- Build Smart City ICT
- Smart Energy Management
- Smart Building Automation
- 5G Telecommunications



Emerging Technology

- Internet of Things (IoT)
- Artificial Intelligence (AI)
- Big Data
- Predictive Analytics
- Cloud Computing
- Innovation Labs



DESIGN-BUILD | ON-GOING

SFMC: Tier III+ Data Center and Operations Center, Riyadh and Jeddah



Key Facts
(Per Location)

8,937 sq. m.

Buildout Area

500

Communication Racks

102 km

Fiber Cable

1,900

Network Switches

99.982%

Minimum Data Center Availability

SFMC Data Centers houses approx. 28,000 blade servers on 500 racks per location. Data centers are compliant with Uptime Institute Tier III rating and ensures minimum availability of 99.982% uptime, and expected downtime is not more than 1.6 hours. Prime-Power Generators serves the required IT load and supporting facilities in N+N fault tolerant and underground fuel storage provides at least 72-hours of continuous operation at full load. ICS Arabia is also delivering advanced Hospital Operations Centers with the latest AV and IT Solutions, and custom-designed furniture.



DESIGN-BUILD | ON-GOING

31 ICT and ELV Systems for Smart Healthcare City SFMC, Riyadh and Jeddah



Key Facts
(Per Location)

10,000,000 Im

ICP and OSP Fiber Cable

350,000

Active IP Data Network Points

500,000 Im

ISP and OSP Fiber Cable

20,600

Security Devices

1,400

Communication Racks

Our scope of work includes complete design, engineering, procurement, installation, and integration with BMS for 31 systems, including Structured Cabling, Data Networking, Nurse Call, IPTV, CCTV, Access Control, Parking Management, Distributed Antenna System, TETRA Mobile Radio, Lighting Control Systems, Infant Protection System, Real Time Location System, WIFI, Central Battery System, SCADA, I2BS and the latest Medical Technologies.

ICT/ELV systems are designed by following BICSI, TIA, NFPA, RCD, FGI, UL, and numerous international standards and guidelines. Designing was carried out in anticipation of the latest medical technological trends and has heavily relied on both IT convergence and Internet of Things (IoT) to best deliver an advanced facility at the time of launch.

DESIGN-BUILD | DELIVERED

Unified Integrated Program (UIP) Tier III+ Data Center and 24/7 Operations Center



Key Facts

7,412 sq. m.

Buildout Area

463

Communication Racks

102 km

Fiber Cable

1,000+

Security Cameras

99.982%

Minimum Data Center
Availability

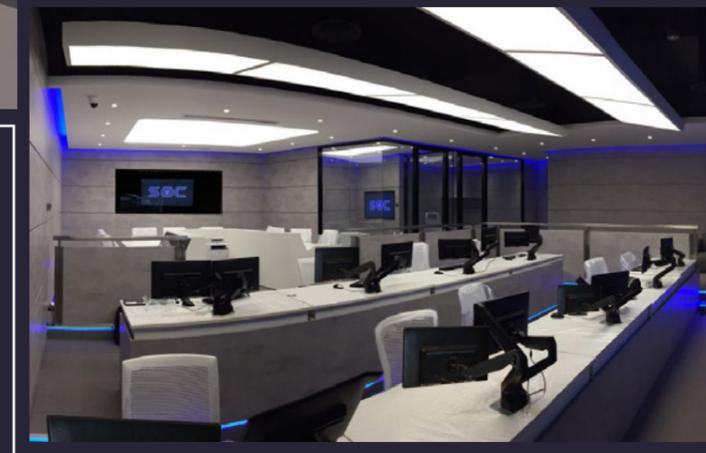
ICS Arabia was contracted to Design and Build state-of-the-art Data Center and Operations Center with offices for 100+ resident engineers and Executive Leadership. Our scope of work included Civil/Structural Engineering, MEPF, ICT and ELV systems, custom fit-out and IT Engineering. Data Center IT Infrastructure was designed for scalable operations and has high capacity to support high-density and compute intensive requirements.

We are currently performing as a Day-2 support services provider for the 6MW Data Center and 24/7 Operations Center. ICS Arabia engineers and technicians reside in the client's location. Facilities are managed according to ITIL and ISO standards.



DESIGN-BUILD | DELIVERED

NIC: Security Operations Center (SOC)



ICS Arabia was contracted for turnkey design-build delivery of a new NIC Security Operations Center (SOC) in 2016.

National Information Center (NIC) Security Operations Center (SOC) is the main line of defense for all cyber threats to the Kingdom's most sensitive data hosting and network infrastructure within the NIC. The SOC is where 24/7, continuous monitoring of threats detection and their real-time response is undertaken.

SOC features the latest AV and IT solutions and custom-built fit-out. The facility is optimized for 24/7 operations and as a mission critical domain, it has its independent Data Center for Cyber and SOC monitoring. Specialized cyber tools and advanced highest security IT infrastructure were designed and implemented to support intelligence operations.

Scope of Work

Design-Build Security Operation Center:

- MEP Engineering and FLS Systems
- Structured Cabling
- Angled Video Wall Display
- Interactive Touch Screen Displays
- IT Engineering and Integration
- Cybersecurity
- Energy Management/Smart Metering

Enterprise Operations Center and VIP Command and Control Center:

- Conceptual to IFC Design
- IT Integration Detailed Design
- AV Detailed Design

Other Delivered Projects



NTC: HC Command Center Building and Operations Center

ICS Arabia was contracted for 2 projects for NTC. In 2017, we delivered turnkey solution for the state-of-the-art Command Center and provided design services for NTC Headquarters Command Center building in 2018. The National Traveler Center (NTC) was established in order to provide 24/7/365 verification of visa authenticity and validation for thousands of travelers.



Saudi Police: 999 Emergency Response Command Centers

ICS Arabia was contracted to design and built multiple Command Centers for Saudi Police Emergency Response 999 Helpline in the Eastern Province. The Saudi Police Emergency service Facilities feature leading-edge AV technology solutions and custom-tailored fitout. The Dammam facility was a two Store Call and Command center on the ground floor and staff offices on the first floor.

PIF Tower

The PIF Tower (previously know CMA Tower) is the jaw dropping 80-story tall high-performance tower located in the heart of the KAFC. ICS Arabia was contracted for complete MEP Engineering and Installation works for 10 floors (approx. 17,000 sq.m.). Key responsibilities included Structured Cabling, LV and LC Cabling along with all containment, conduits and cable runs.installations.



Public Safety TETRA Communication Labs

ICS Arabia was contracted to design-build multiple Public Safety TETRA Communication labs These labs were hosted in existing MOI facilities and required a highly specialized security and Electrical capability to work for system performance. Cybersecurity and Public Safety communications networks were implemented in these facilities. Encryption Building for Public Safety Authority. Our work included workspace and IT optimization as per client requirement.



PNA Intelligence Command Center

ICS Arabia provided full-scope design-engineering-build services to MoI for their Intelligence Information Collaboration Center Facility. The project also included ICT & IT Infrastructure, Cloud solutions and cybersecurity implementation along with DevOps for required applications. The scope included a separate Data Center which was built to host the services for this Command Center.



Princess Nourah Bint Abdulrahman University

Princess Nourah Bint Abdulrahman University (PNU) is a public women's university in Riyadh, Saudi Arabia, and the largest women's university in the world. Our subsidiary company provided integrated building engineering services, a full scope of MEP works and implemented exceptional light design solutions.

Madinah Governorate: eMajlis System and VTC Studios

ICS Arabia was contracted for design-build of the state-of-the-art main VTC Studio for his Excellency Governor of Madinah state. The requirement included the design and commissioning of multiple remote VTC conferencing studios within each regional city. AV Telepresence solution allows transmitting live videos, audio feed, and document camera feed from remote towns to the Governors Palace. The highest protocol cybersecurity systems were implemented.



Riyadh Public Transport Control Center

Riyadh Public Transport Control Centre is located in the King Khalid International Airport area in Riyadh, KSA and was designed for the government officials working at the Riyadh Public Transport Department.

We provided Integrated Mechanical, Electrical and Plumbing services, and Energy Management solutions.



PARTNERS

ICT/ELV Technology



Data Centers and Construction



Information Technology



MEP Partners



Security



Large System Integration



Cybersecurity

