ICT & ELV TECHNOLOGY

ICS Arabia is the leading provider for ICT/ELV turnkey solutions in the KSA with experience in delivering the most complex smart buildings and digital infrastructure for the demands of government authorities, industrial and commercial clients.

Information & Communications Technology (ICT) is also referred to as Extra Low Voltage (ELV) systems within the industry. Both synonyms encompass a vast array of technology systems, devices, communication methods, and data. ICS Arabia offers designing, supplying, installing, testing and commissioning of the numerous ICT systems and networks.

Infrastructure | Wireless Communications | AV Systems | IPTV & SMATV | Access Control Systems | BMS | CCTV | Fire Alarm Systems | Healthcare Systems

Certifications

Bicsi | TIA | NFPA | FGI | HCIS High Commission for Industrial Security | IEEE

Featured Technology Partners

LG | ascom | CISCO | STANLEY Healthcare | MOBATIME

parksol | BOSCH | EDWARDS | AVAYA | Hewlett Packard Enterprise

COMMSCOPE | DELL | SIEMENS | orbility | TriplePlay TELECOM

Smart ICT Solutions

ICT technologies play a critical role in the facility operations and positive occupant experience. We incorporate audiovisual, IT and telecom, building security, operational technology, and intelligent building systems into projects to best support our clients.

Our experience includes design-build of 31 ICT systems for Medical and Residential facilities project of 491,000 sq. m. single structure hospital, data center, and 380 residences in the largest smart medical city in the region.

Outdoor Communication | Passive Infrastructure | Data Center
SCADA/BMS | FLS Systems | Wireless Communication
Security Systems | AV Systems | Parking Management
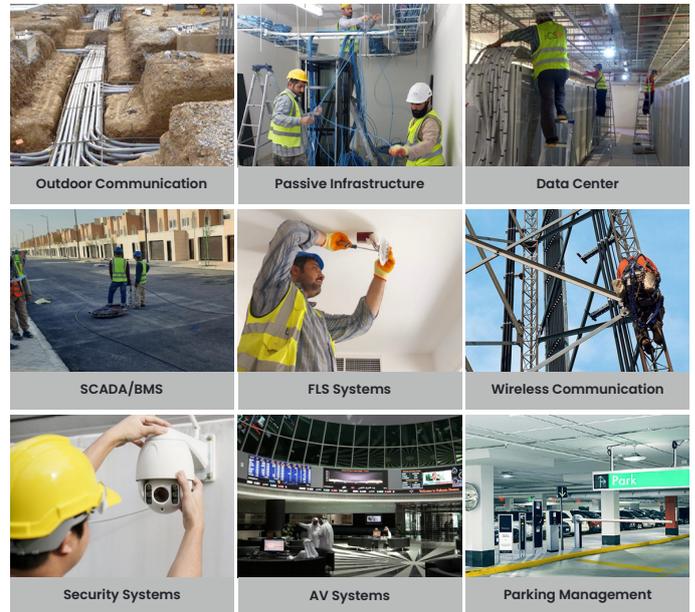
Active Equipment

- Hyper converged Infrastructure
- Virtual Desktop Interface (VDI)
- Storage Network Systems
- Data Networking Equipment
- Cyber Security and Firewalls

Passive Equipment

- Structured Data Cabling and Containment
- Fiber Optic - ISP & OSP
- Telecom Racks and IDF
- BICSI Certified Engineers

Smart Building Automation

- Build Management Systems (BMS)
- Lighting Control Systems
- Supervisory Control and Data Acquisition (SCADA)
- Intelligent Building Solutions (I2BS)

Communications

- Wireless Communication WIFI
- 5G and TETRA Distributed Antenna (DAS)
- IP Telephone Systems
- Nurse Call and Master Clock

Security and FLS Systems

- Access Control & IP CCTV Security
- Fire Alarm and Smoke Management
- Intrusion & Detection systems
- Public Address & Mass Notification
- RTLS and Infant Protection

Audio and Video Systems

- Audio Video Conferencing
- Video Walls and VW Controllers
- IPTV and Digital Signage
- Audio Video Intercoms
- Sound Masking

Turnkey Delivery

Design and Engineering

ICT infrastructure design is a foundation that ensures operations of the company are uninterrupted and provides a return on investment to the company. We leverage our experience, technology and innovative thinking to create robust, scalable, flexible, and cost-effective solutions.

Procurement, Installation and Integration

ICS Arabia partners with industry leading OEMs to provide our clients with cutting-edge technology. Our in-house engineers and technicians are experts in international standards and obtain highest levels of OEM training and certifications to ensure the highest quality work and sustainable results.

Testing, Commissioning and Day-2 Support

During testing and commissioning, we ensure that all systems and components of a building are installed and integrated according to the operational requirements. We provide documentation and training support to the users, followed by continuous management services.

Passive Infrastructure

Adhering to the latest BICSI and TIA standards, ICS Arabia certified engineers provide reliable connectivity for the most difficult structures including high demanding data centers, hospitals, and government mission critical facilities infrastructure.

We are leading ICT contractor in the KSA, and our expertise includes both inside and outside passive infrastructure development for all facets of wired connections and their containment. Our work results in an undisrupted communication, higher brand-width, error-free cable performance, and the highest security.

Our Services:

- Infrastructure Design and Consultancy
- Telecom and IDF - Rooms Fit-out
- Fiber Optic Cables Connectivity
- Duct Bank and Infrastructure
- Copper Cables Connectivity
- Cables Verification and Certification
- Cable Management Systems
- Equipment and Cable Containment
- Power Distribution Units
- Coordinated Ceiling Plans
- Coordinated Telecom Corridors
- NAVISWORKS - Clash Detection and BIM Modeling

Structured Cabling

With the domination of IT on all aspects of life and convergence of technology onto data networks, the role of properly planned and executed Structured Cabling can not be over stressed. Structured Cabling forms the physical underlaying fabric on which all technology services are built. A weak physical layer will never allow for proper technology systems to function and leads to costly correction at later stages. An ideal structured cabling design will allow for fastest and most reliable communication as well as significant future growth and scaling for advanced uses. ICS employs BICSI industrial standards for an optimized design and delivery.

| Reduces Cabling Congestion	Forward-Adaptable	Easy to Manage	Cost Effective
Structured cabling standards define organized wiring infrastructure that results in lower down times and less human error	Structured cabling solutions lead to flexible infrastructure that is easy to extent, update and integrate new technologies	If something goes wrong in networks, well structured cabling allows to quickly identify problems and resolve issues	If well-designed, structured cabling infrastructure implementation and changes are time efficient and nearly fault-free

Communications

ICS Arabia makes your business operations more efficient, providing secure and reliable wired and wireless networks infrastructure.

Network infrastructure stands as a backbone for every business in today's world. It connects people, computing machines, assets, and every information source within your organization. Hospital, airports, security, and operations facilities, all of them heavily rely on undisruptive communication, speed and security. ICS Arabia has over 20 years of experience in designing, installing and maintaining the most demanding network platforms. Our areas of expertise include:

- Data Networking and Security
- WIFI 6 - Wireless Communication
- 5G Distributed Antenna (DAS)
- Tetra-PS Distributed Antenna (DAS)
- IP Telephony Systems
- AV Conferencing
- RTLS/RFID Systems
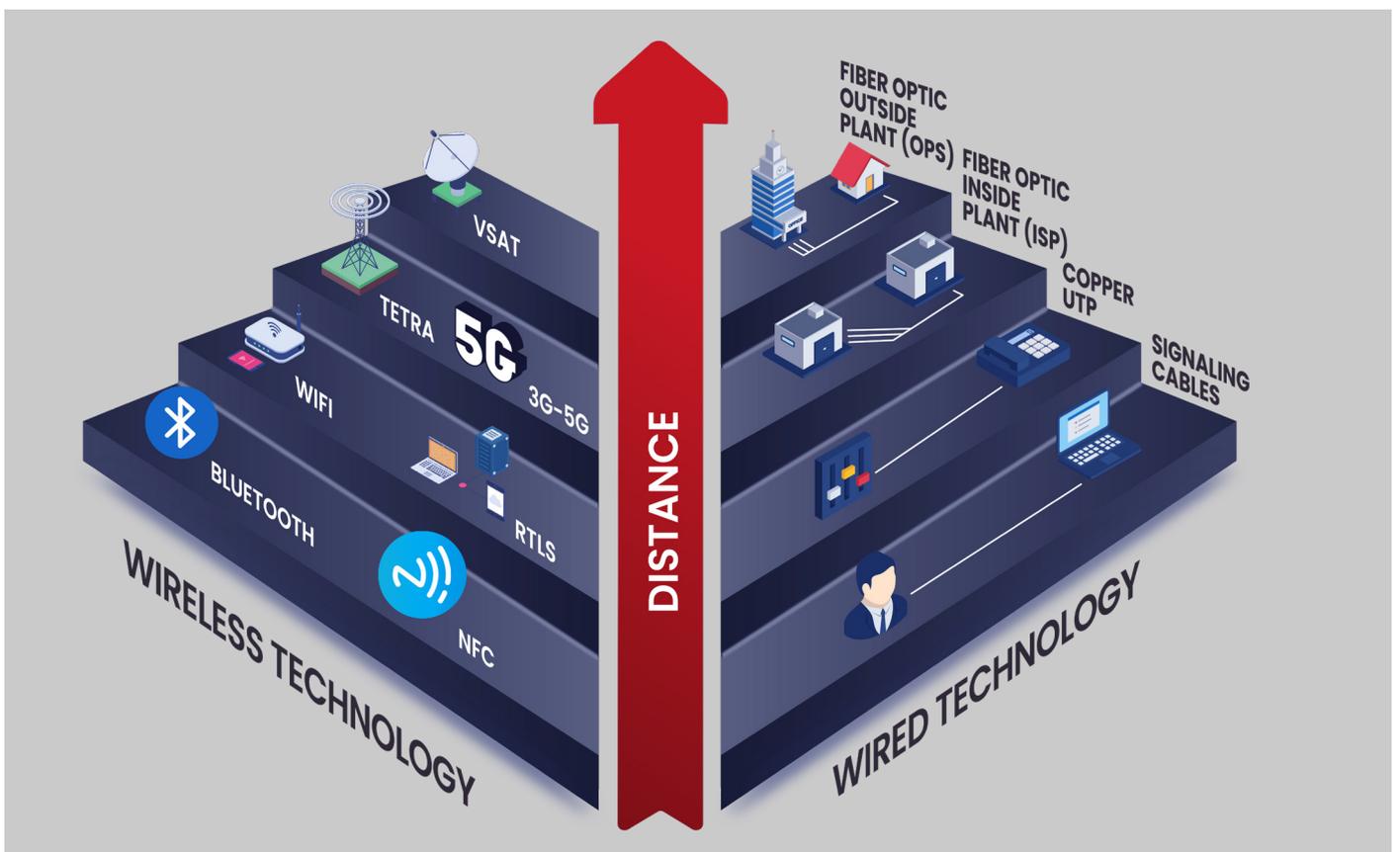
# Integrated Security and ELV Systems

ICS Arabia provides comprehensive Integrated Extra Low Voltage (ELV) Systems solutions utilizing the latest technology and equipment

With experience in delivering turnkey solutions of the highest requirement to the government, intelligence and hospital projects, we are the leading ELV systems provider in the KSA. Our ELV solutions comply with all local, regional and international codes, and follow the required safety and security standards. We ensure our clients the highest ROI while using cutting-edge technology that is scalable and future-proof.

Our Solutions:

- CCTV & Surveillance Systems
- Access Control and ID Management Systems
- IPTV
- Parking Guidance and Management Systems
- Perimeter Fence & Protection
- X-Ray and Baggage Scanners
- Road Blockers, Gates, Tire Killers etc.
- Turnstiles & Walkthrough Metal Detectors
- IDAS Systems
- Radio Network/IP Telephone Network

- Audio/Visual Systems
- Lighting control System (LCS)
- Health care NCS, Intercoms
- Master Clock
- Infant Protection
- Public Address and Voice Alarm System (PAVA)
- Sound Masking System (SMS)
- Fire Alarm System
- Control and Command Centers
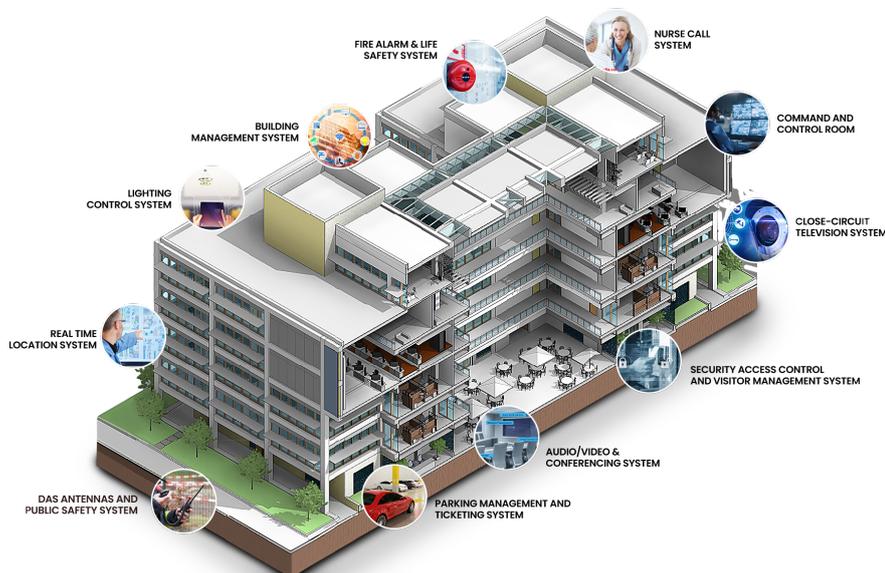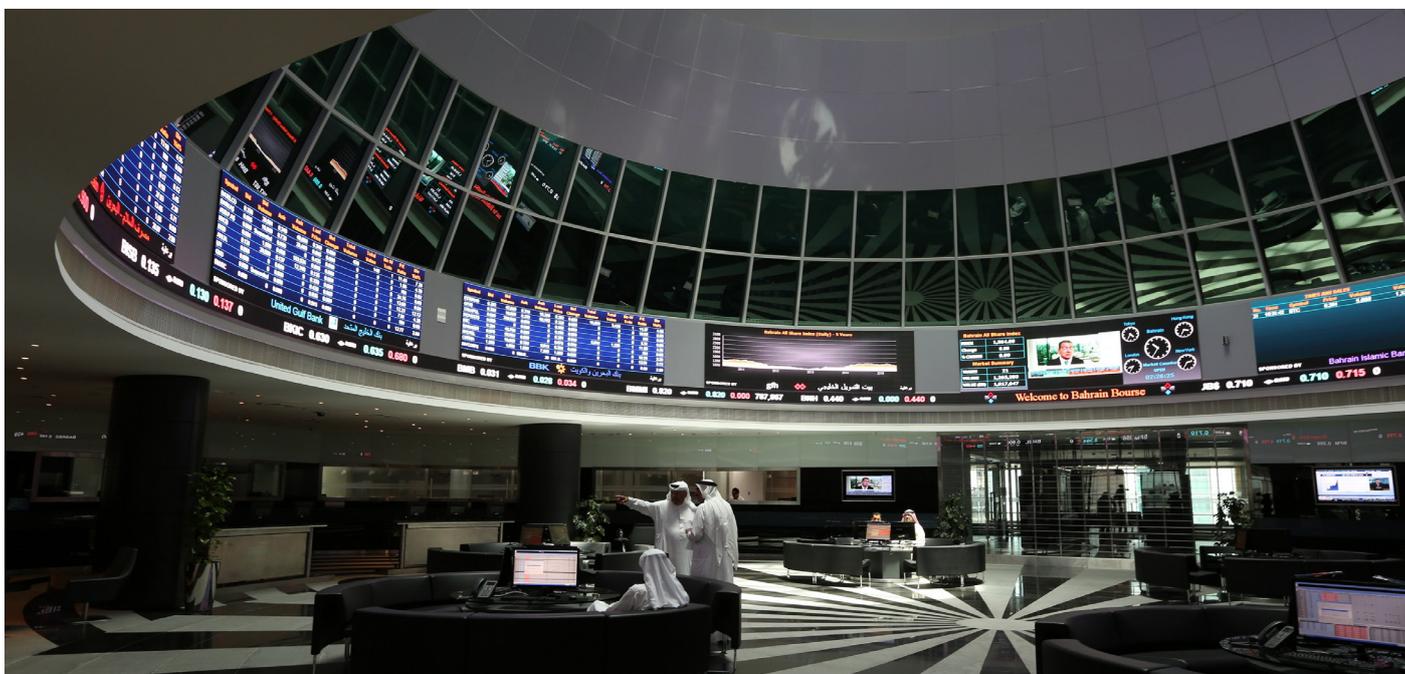
Command Center and Audio Visual (AV) Systems

Audio Visual (AV) technology became an inalienable part of today's modern facilities regardless of whether they are commercial, governmental, healthcare, academic or residential in nature. ICS Arabia leverages years of experience in design supply, installation, testing and commissioning of AV systems and delivers reliable, cost-effective and flexible solutions. Our expert engineers coordinate with interior designers and architects to provide value-added AV system design that considers workspace optimization, acoustics, lighting, IT and security.

We provide complete room control systems that manage lighting control, sound systems, conferencing systems, interactive smart boards, projectors, video walls, etc. We offer our expertise in high resolution, full duplex communication by implementing AV systems for the training, conferencing, collaborating, entertainment and marketing purpose. ICS Arabia implements AV systems per the highest international standards of BICSI and INFOCOMM.

- Video Walls for Large Format Information Display
- Video Wall Controllers, Scalers, Transmitters
- Audio & Video Conferencing Systems
- Call Center Systems

- Advanced Audio Sound Masking, BGM (Background Music), Lecture Capture, etc.
- Digital Signage and Wayfinding Systems

Acoustics Systems

Controlling noise and achieving good acoustics within a building is fundamental, specially for residential and public places, such as offices, universities, hospitals and hotels. Acoustics design requires knowledge, experience and methodical planning to comply with the recommended noise levels for internal and external environments. ICS Arabia works with leading technology providers to bring the best acoustic potential depending on each individual space functional purpose and regulatory requirements.

- Floor/Slab Acoustics
- Door/Window Acoustics
- ID (Interior Design) Acoustics
- FOH/Guest Room Acoustics
- Building envelop Glazing/Façade Acoustics

- MEP/Shafts HVAC/Services Equipment
- Acoustics and Noise/Vibration Control
- Noise Emission Controls and Airborne
- Sound Isolation
- BOH/Common Areas Acoustics