About ACES

Advanced Communications and Electronics Systems Co. is a leading ISO certified “GRADE A” EPC Contractor and “Class 1” System Integrator for Power, Telecom, Security and ICT Projects. We are a subsidiary of Sumitomo Corporation and a Closed Joint Stock - Saudi Company. Our profile includes Smart Campus, Smart Towns, AFC, Data Centers, Wireless Networks, Critical Communication Networks, GSM/CDMA/TETRA/LTE, In Building Solutions, Software Development, VAS, Integrated Security Solutions, Power Solutions, Pre Cast Civil Solutions, Communication Civil Works, Microwave Communication, Fiber & Copper Networks, Broadcasting, Telephony, Operations & Maintenance, Batteries, Generators, Switch Gears, Solar & Wind Power Solutions, Consultancy and many more. Classified as Class 1 contracting company, we have been successfully working for Telecom, OIL & GAS, Utility companies, Government and Education sectors for over 18 years and has been ranked 8th in Saudi Fast Growing 100 companies in 2010.

About Sumitomo Corporation

Sumitomo is a 400 years old 1.3 trillion USD Japanese business group. Their business verticals include Telecom, Media and Electronics, Chemicals, Steel, Mining and Heavy industries. Besides being part of 400 years old Sumitomo Group of Companies, Sumitomo Corporation is also a multinational investment company and an EPC Contractor in Kingdom of Saudi Arabia. Sumitomo prefers ACES as a system integrator for its mega projects in the region resulting several opportunities for ACES. They not only compliment ACES with their international reputation, partners, expertise, vision and experience, but also support ACES by assuring end customer of their full support to ACES for any mega projects in the region.

About Telecom Department

At the Telecom Department, ACES offers a wide range of products and services dealing with RF In-Building Solutions, TETRA Solutions, Testing & Benchmarking Services, Quality of Service/Quality of Experience Measurement, RF Engineering Services, VHF-UFH Solutions, Integrated Security Solutions, CCTV, Fiber based security Solutions, Scanners and high tech industrial security solutions.

The Telecom Department of ACES has played a pivotal role in ACES emerging as an advanced engineering company in the region and its existence as a ‘Grade A’ Engineering Procurement & Construction (EPC) company.

With a successful track record of more than 18 years including Telecom operators, Government sector, Defense, Oil & Gas, Utility Companies and Other big customers in KSA, the telecom department contribute to more than 30% of ACES total turnover.
Telecom Department Introduction and Highlights

Being led by industry veterans and seasoned engineers, the Telecom Department of ACES continuously strives to provide innovative Products, Solutions & Services to our clients conforming to international quality standards. The department is having exceptional engineering design, project management, on site implementation and post implementation support services facilities that are spread across the kingdom of Saudi Arabia.

Telecom Department Highlights and Products/Services

• Products/Services
  o RF - GSM/ 3G/UMTS, TETRA, Cell Enhancers and VHF/ UHF
  o Fibre and Copper - Structured Cabling Solutions
  o Transmission Solutions (Microwave, Fibre, VSAT and Laser)
  o Integrated Security Solutions including Fibre and CCTV Security Solutions
  o Testing & Benchmarking Services
  o Design, Consultancy and Operations & Maintenance Services

• IBWave Certified Designing and ISO 9001-2008 Quality Certified
• In house Engineering Design and Consultancy capabilities
• Approved with Saudi Electricity Company for security projects along with several ongoing projects
• Capable of Full Turnkey RF Solution including Telecom, Civil and EM works.
• Peerless expertise in Testing & Benchmarking Services
• 24 X 7 Operations & Maintenance Support all over KSA
• Screening of spares, Spare Parts Management and Helpdesk Facilities

• TETRA recent references includes
  - ARAMCO TETRA kingdom wide network
  - SWCC TETRA for 7 major plants across kingdom

• Telecom Operator references includes more than 1000 sites categorized as
  - IBS – Projects for STC, Mobily, Zain, NSN and Motorola.
  - Microwave projects for
  - STC, ITC, Bayanat, Motorola, Government and many more
  - FTTX Projects
  - Cell Enhancers
  - Testing and Benchmarking
  - Many more....
Our Customers & Partners

Our References Includes

- OIL & GAS
- TELECOM OPERATORS
- UTILITY COMPANIES
- GOVERNMENT
- EDUCATION
- DEFENSE
- AVIATION
- RAILWAYS
In Building Solutions

ACES is one of the companies who introduced several technologies of In-Building Solutions to Telecom operators in Saudi Arabia and has successfully deployed hundreds of site till date. Telecom Department is having all required experience and expertise to offer Full Turnkey solution including design/consultancy, Indoor Active & Passive Solutions, Testing, Commissioning and optimization.

We are obliged by our customer’s for considering ACES to deploy VVIP, VIP, CRITICAL and Sensitive sites across the kingdom. Such references includes Palaces, Airports, High rise buildings, Parliament of Saudi Arabia, Hospitals, Banks, Government Facilities, 5 Star Hotels, big shopping Malls and many more.

ACES has partnered with Industry veterans to deliver hi-tech and quality In-Building Solution in the kingdom. with in house design and engineering capabilities, strong project management team, capability to work all over KSA and also across GCC, Class 1 Contracting experience, EPC contracting experience, in house capabilities to do electromechanical & civil works for IBS, several testing tools and system integration expertise – ACES still enjoys to be a preferred system integrator for In-Building Solutions in the region and has emerged as the market leader for IBS Business in KSA. ACES was honored in UK by GTB (Global Telecom Business) award in 2009 under Innovation Category for design and deployment of IBS in King Abdulaziz Endowment Buildings (the biggest residential towers) in Makkah.
RF Solutions

The Telecom Department of ACES offers several RF Solutions applicable to Telecom Industry, OIL & GAS and other verticals. Such solutions include:

The department is having design, implementation and post implementation capabilities. They have implemented a huge TETRA System Kingdom wide for ARAMCO as an EPC contractor and are implementing biggest TETRA System for SWCC covering Several Plants across the kingdom. They have also supplied VHF/UHF handsets and vehicle mounted sets to several government entities.

Besides above mentioned the Telecom Department has deployed hundreds of Cell Enhancer sites for Telecom operators, has been supplying RF Antennas and performing Benchmarking services for all 3 Telecom operators in the kingdom covering several cities including complicated network in the Hajj Area in Makkah Province.
Transmission Solutions

Telecom Department at ACES has partnered with world class Microwave, Fiber and Other Transmission Product Manufacturers to deliver hi-tech and quality transmission networks in the kingdom. The Telecom Department of ACES offers Transmission solutions including:

• Microwave Solutions – Point to Point
  - PDH
  - SDH
  - Long Haul SDH
  - Network Monitoring Solutions
  - Nodal Solutions
• Point to Multipoint – Microwave Solutions
• Milli Metric Microwave Solutions
• Laser Links
• Fiber FTTX Solutions
  - FTTH/FTTB
  - Active & Passive Components
  - Splicing & Testing Tools
• Fiber ISP & OSP Works
• Fiber Nodal Solutions

The Telecom Department has deployed 3 phases of STC Microwave Swap Project including supply of few hundred Microwave links, its site surveys, design, DCN part and NMS. Similarly they have deployed big Microwave networks for ITC, GID and Bayanat. They have also deployed Microwave links for Mobily, Medunet and other major telecom clients in the region including those in Egypt.

Department is also having huge list of references for Fiber solutions including Mobily Fiber to the Building project wherein they deployed hundreds of sites for Mobily. They have also done several Fiber projects for RSADF, Awalnet and others.

They also have good track record of supplying spare parts and repairing of transmission equipments at our repair facility based in Riyadh.
Security Solutions

ACES has confronted several security related opportunities during its projects since its inception. As the Homeland Security market in the MENA region is growing, ACES has capitalized on its local presence, customer base, engineering capabilities and classification to penetrate Homeland Security Business successfully.

We keep introducing innovative products and solutions and help building the Homeland security infrastructure for Saudi Arabia and the neighboring countries.

Presently the Security Department of ACES is integrated with the Telecom Department offering several Security Solutions including:

- CCTV
- DVR/NVR
- Control Room or Monitoring Room
- Intrusion Detection
- Access Control
- Motion Detection
- Number Plate Recognition
- Scanners for Customs/Ports
- Metal Detectors
- Road Barriers
- Fiber Optics based security solutions
- RF ID based security solutions
- Customized Integrated Security Solutions
Operations and Maintenance

ACES is having tremendous experience in operations and maintenance projects. The Telecom Department of ACES is having integrated facilities to offer after sales support for multiple projects done by ACES. Besides after sales support, the department is fully capable of executing stand alone Operations & Maintenance projects. The highlights of such offerings are:

- Managed Services
  - Security Solutions
  - ICT Projects
  - IBS Projects
  - EM Projects
  - RF Projects
  - TX Projects
  - Civil Projects
  - Multi Disciplinary Projects
- 24X7 Support for 365 days
- Helpdesk Services
- Spare Parts Management
- Screening Services
- Repairs of Faulty Equipments
- Capable to meet reasonable SLAs anywhere in the Kingdom of Saudi Arabia
- Offices & Warehousing facilities available across KSA
- 4 permanent offices (Riyadh, Jeddah, AlKhobar and Madina)
- 21 Operational offices/Distribution Centers across KSA

The Operations and Maintenance department is integrated under Telecom Department to have more efficient resources management. Latest references with this department includes operations and maintenance projects for:

- STC
- Mobily
- Zain
- ITC
- Huawei
- NSN
- Ericsson
ADVANCED COMMUNICATIONS & ELECTRONIC SYSTEMS
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