AMT

شركة الأبعاد المترامية للتقنية
Advanced Micro Technologies Co.

Your Partner For Success

NETWORKING &
LOW CURRENT
SYSTEMS...

INTRODUCTION

A dvanced Micro Technologies (AMT) specializes in the delivery of high quality network solutions that are customized to fit the needs of each client and each project we work on. Our team of dedicated project managers and engineers are capable of developing a wide range of IT, Telecommunication & low current solution from the multiple partners we work with. In each case AMT looks for best solution to fit your requirement, budget , and schedule.

AMT's focus on innovation as a system integrator means we are constantly updating technical capabilities to ensure the right balance of products and services are available to our clients which include oil & gas, banking, health care, education, construction, and other commercial sectors. At AMT, we take customer support seriously and invest in our people through workshop , training , and mentor programs to share technical problem management knowledge throughout the company. This focus on engineering results is combined with proven project managers who can successfully deliver even the most challenging projects on time every time.

AMT is a flexible company set up to offer assistance at any phase – from your first concept design or proposal development to final commissioning and handover. International partners are carefully selected and reviewed to ensure that, they offer best of breed products which fit local market needs and balance price performance with technical excellence, while our in-house processes and approach are per international standards.

AMT is a certified ISO 2009::2015 company.

SOLUTION AREAS :

- Data Networks
- Unified Communications
- Wireless Networks
- Security Systems
- Low Current Systems
- Audio Visual Systems
- OSP Services & Solutions

"We selected AMT because of their strong support capability which made the project run smoothly from start to finish"
- Huawei Project Manager
"AMT helped us select the best technology for our business"
- KFU - Customer Services

SELECTION OF CLIENTS:

- King Faisal University
- Saudi Aramco
- Ma'aden
- King Saud University
- Ministry Of Interior
- Ministry Of Finance
- YASREF

Advanced Micro Technologies (AMT) understands how important reliable Information Technology, Telecommunication and Low current systems are to any business in today's world. Everything from email to your organizations phone calls are now part of an integrated communications network connecting teams together and to the rest of the world in new ways. Managing these systems to ensure they always meet the needs of end users and the company in a secure, highly available, and friendly environment is what AMT can do for you.

Data Networks

LAN and WAN systems based on TCP/IP Network protocols with solutions for every price range from a small branch office, to a multi node MPLS campus solution handling real time applications. AMT can design, deliver, and configure these systems, to fit any requirement.

Unified Communications

Voice and Video are now part of the data network and can be enhanced through integration with Office applications. Presence and Instant Messaging offer important business tools to enable teamwork.

Wireless Networks

Wireless LAN solutions are appreciated by companies where activity in dynamic and can move from the conference room to the cubicle and back again. The increased use of mobile devices also means wireless networks are more important than ever.

Network Security

Security is at the heart of any good network system and must be considered at many different levels to protect your data. AMT engineers can deliver customized solutions based on each case ranging from hardening configurations to deploying IPS/Firewalls and antivirus systems.

Low Current Systems & Smart Building Platforms

Low Current Systems & Smart Building Platforms are a central part of any new building construction and need careful attention to get it done right on the job site in coordination with other contractors. Fire Alarms, and other Sensors rely on Low current infrastructure and AMT has experience working in these environments. Smart Building platforms offer services like high speed internet, environmental, safety, and security management capability.

Audio Visual Systems

AMT specializes in providing integrated audio, video and control facilities for a wide variety of environments including Command & Control centers and Audio & Video teleconferencing facilities, classrooms, conference and training rooms, auditoriums and more.

IPTV & Digital Signage Solutions

Today's consumers want access to media anywhere, anytime, on any device. AMT provides an IP platform that is network-aware, media-aware, and device-aware to deliver more personal, social, and interactive media experiences. AMT offers also Digital Signage Solutions which are custom-designed to achieve customers specific goals, from diagnostics and installation, to ongoing service and support.

OSP Solutions

AMT's OSP solutions are built to highest quality standards and meet or exceed all industry standards for channel performance. They deliver the bandwidth and quality to support any application anywhere in your campus. They offer the flexibility to meet today's challenges and to work with tomorrow's technology.

DATA NETWORKS

Data networks : are an electronic communications process that allows for the orderly transmission and reception of data, such as letters, spreadsheets, and other types of documents. AMT Services can help organizations of any size to share information easily and become more efficient with cost effective network solutions. We provide expert design, installation and configuration of hardware and software to ensure a successful Local Area Network (LAN) or Wide Area Network (WAN) project.

AMT is your one-stop resource for all the Data networks, open system communications and integration needs essential to a modern office. In addition to installations, our professionals also provide ongoing troubleshooting, maintenance and support of networks. Whether you need to build a network from the ground up, or integrate your existing network with new systems to achieve effective results, AMT can provide the services you need.

WIRELESS NETWORKS

Wireless Networks: allow two or more systems to interface with each other, whether in an office, a library or other type of establishment, or at home without running cables. Wireless networks and technology services represent the future of computer networking and Internet access. Wireless standards, coverage, hardware options and security are just some of the considerations that AMT can assist you with for a successful deployment of wireless local area networking (WLAN).

AMT Provides IP-DECT wireless communications, which is a cost efficient solution that combines the best of traditional thinking with all the promise of tomorrow.
Voice over Wi-Fi (VoWiFi) - With VoWiFi, mobile subscribers receive a seamless voice and messaging experience as they move between the macro cellular network and existing Wi-Fi networks such as those at home and the office. - Please Contact your AMT representative for assistance with any wireless solution.

UNIFIED COMMUNICATIONS

Unified Communications: is the Integration of all communication technology systems such as Messaging, IP Video , IP Telephony, E-mail, Voicemail and Video Conferencing -- all integrated using an IP Network system and common management platform.

With UC there is no need for a separate voice network using a separate cabling infrastructure and transmission network. Now with a next generation UC network , you can save money and improve the service features to your users by combining transmission of telephone calls over a data network with other features like Video and Instant Messaging.
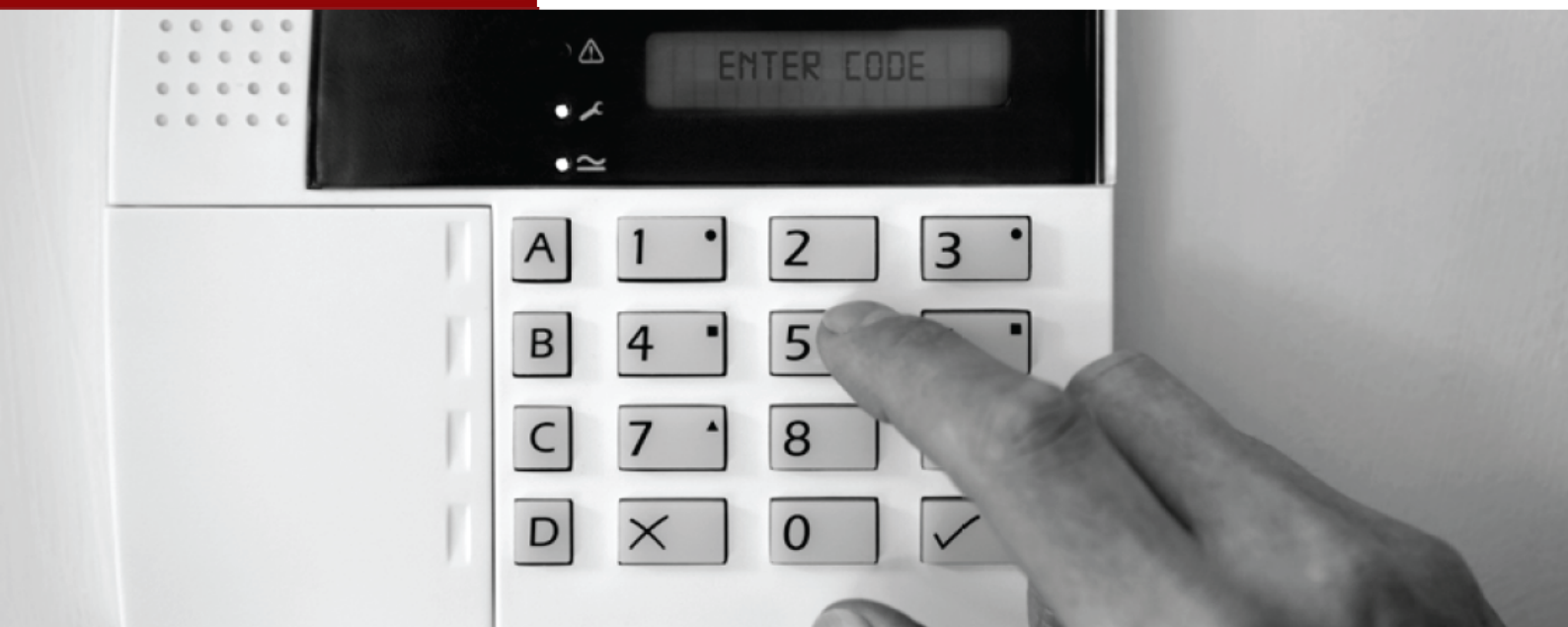
AMT's UC solutions are also optimized for use on multiple devices. Advanced IP Phones handsets are available along with Soft Client application running on your PC or mobile device such as Android or iPhone. Each of these can be configured with the same user profile information to allow many advanced services such as Single Number Reach where a call can ring on multiple devices and multiple numbers at the same time. There are many new service options – Please contact your AMT representative today for the complete list!

SECURITY SYSTEMS

Security is a fundamental building block within any IT or Telecommunication network based on Internet Protocol (IP) to ensure corporate and personal security safeguards are in place to protect confidentiality and availability.

Good security design uses multiple technologies and products to develop multiple layers of security that protects the network against internal/external threats. Some examples are use of

- Network Access Control
- Authentication / Authorization
- Communication Encryption
- Operating System Hardening
- Firewall Security Zone Design
- Intrusion Protection
- Email & Anti-Virus Protection
- Network Monitoring and Management
- Physical security

Physical Electronic security devices are products used for our own safety and also security and protection of our valuables and surroundings, including our cars, houses, bank accounts, shops, businesses etc. With advancement in technology, new sensors are being developed which help in enhancing security of our surroundings.

Depending on requirement different types of electronic security devices are avilable - access control products, alarms, buzzers, CCTV, metal detectors, motion detectors, air teasers, stun guns, personal alarms, sirens and other similar alarm points - Please contact your AMT representative for additional information's for variety of Security System solutions that suits your need.

LOW CURRENT SYSTEMS

Low Current System: is the discipline of the Electrical Engineering systems that operate and function using low current signal with extra low voltage. Low Current System covers multiple specialized systems to make the building smart.

Low Voltage and Low Current infrastructure is a central part of any new building construction from residential, hotel, commercial complexes, or mixed use structures.

AMT's solutions include Building Management, Multi Media, Security and Safety systems which are engineered to provide an End-to-End service - from the smallest end point to the central back-end control systems. Please contact your AMT representative for further assistance with any kind of Low Voltage applications.

Home Automation

Cameras
○ On ○ Off
view

Lights
○ On ○ Off

Users
Add new ▶
Edit ▶

Temperature
Settings ▶

Security
○ Arm ○ Disarm

Smart Building Platforms

Safety & Security Control Systems

- Closed Circuit Television Systems (CCTV)
- Access Control (Card Readers, Door Locks, Etc)
- Site Perimeter Intrusion Detection Systems
- Voice Evacuation Systems
- Fire Alarm Smoke Management Systems
- Emergency Lighting Systems

Multi Media Systems

- Professional Sound Systems
- Public Address Systems & Background Music
- Satellite Master Antenna Television & IPTV
- Ballroom AV Systems
- Conference and Interpretation Systems
- Flat Panel Displays and Video Projection
- Video Wall Systems
- Lighting Systems
- Automation & Control Systems

Smart Building Applications & Systems

- Building Automation
- Climate Control System
- Energy Management Systems
- Lighting Control and Dimming Systems

AUDIO VISUAL SYSTEMS

AMT is a Primer Audio Visual Systems Integration Provider specializing in the supply, installation and support of multimedia presentation technology, video and audio conferencing systems, and customized communication products.

AMT offers a range of presentation and interactive communication meeting solutions. Our systems focus on the needs of each customer including high-definition projection technology, video conferencing and telepresence for remote participation and distance learning. We also provide digital signage and advanced messaging systems for dynamic address and multimedia streaming, as well as content management including video recording and archival.

- Auditoriums & Theaters
- Board & Conference Rooms
- Paging Systems
- Audio Conferencing Systems
- Video Conferencing Systems
- Discussion Systems
- Video Projections & Screens
- Video Wall Systems

IPTV & DIGITAL SIGNAGE

IPTV: Internet Protocol Television is the process of transmitting and broadcasting television programs through the Internet using Internet Protocol (IP).

IPTV Solution allows a telco or an ISP to provide the following services:

- Satellite, terrestrial and cable TV channels (DVB to IP gateway)
- Video on Demand (VoD server)
- TV on Demand & Pause TV (Catch Up TV server)
- Content protection and encryption (IP CAS/DRM)
- Fast user interface for IP set-top boxes (IPTV middleware)
- User interface for a PC (IPTV player)

DIGITAL SIGNAGE SOLUTIONS:

From basic installations with one location and a limited number of displays, to multi-screen, multi-location deployments, AMT offers fully scalable, end-to-end digital signage solutions that are tailor-designed for any business.

Features include:

- Installation flexibility (portrait or landscape)
- Exceptional durability (continuous 24/7 operation)
- Crisp, sharp visibility regardless of where the display is installed
- Customized, cost-effective options to fit any budget
- Flexible configurations and layouts
- Choice of local or remote hosting of content management

OSP SOLUTIONS

AMT's proven OSP solutions enable our clients to keep pace with the increased magnitude in broadband access demand and customers faster. Together with the selection of technically superior products and cost effective network solutions, AMT can also provide a full range of support services to enable customers to realize the full benefits of AMT's broad knowledge & vast professional experience in this field and address the challenges of today's complex OSP network installations whilst providing customers with future proof solutions.

With our extensive experience in deploying cost-effective networks around Kingdom of Saudi Arabia, we're committed to giving you expert advice on maximizing performance and minimizing cost. Our rigorous approach guarantees every cable and connector installs and performs as specified, and our pairing of superior connectivity products with high-quality cables means you can reduce labor and overall cost of ownership – without ever sacrificing efficiency.

With the proliferation of connected devices of all kinds, your users expect constant connectivity-everywhere, all the time, with high capacity and low latency. In a campus-sized deployment, this means you need to make sure your outside plant (OSP) infrastructure is ready to deliver against those expectations. AMT is equipped to provide our clients, the complete line of indoor, indoor/outdoor and outdoor OSP network solutions.

We along with our service partners are well equipped to handle all OSP/ISP and communications construction requirements for physical layer connectivity such as Fiber optic & copper cable laying and splicing and terminating services. AMT provide complete turnkey solutions, OSP construction and project management for new builds, rebuilds or upgrades. We are your one stop complete solution telecommunications contractor for - OSP and ISP Deployment, Fiber and Copper deployment, Direct burial cable solution, Modular cabling solution, Digging and Laying, Splicing and Terminating, Testing & Commissioning. We successfully employ and engage our engineering and construction expertise supporting comprehensive turnkey Fiber Network outside plant (OSP) projects.

AMT provides the highest quality products and services carefully selected to meet your specific project requirements. Our servicesrange from providing small businesses with basic networking services to comprehensive enterprise and service provider solutions. Our technical expertise has proven exposures in wide ranges of technologies.

AMT consultants bring the proven discipline of the IT Services Management Best Practices from ITIL, Microsoft Solutions Framework (MSF), Project Management Institute (PMI), Prince2 Methodologies, and Microsoft Operations Framework (MOF) to all our contracts in order to assist our business customers in successfully planning, deploying, structuring and managing IT technologies across distributed platforms.

Our Project implementation team is strategically placed in 3 main bases of Kingdom of Saudi Arabia: Eastern (Al Khobar), Central (Riyadh) & Western (Makkah) regions. AMT have highly qualified professional technical manpower and high-tech test equipment to install, test and commission all the Telecommunication systems & infrastructure installations across kingdom.

AMT recognizes the special needs of each industry and the experience needed to make your project a success !

AMT PROJECT SECTORS

- Oil & Gas
- Banking
- Health care
- Education
- Construction
- Industrial & Manufacturing
- General Contracting

PROJECT MANAGEMENT

The Company uses Project management tools from beginning until the end-user's acceptance to ensure projects progress is monitored and tracked during all the stages while keeping operational excellence.

Project Manager coordinates and controls all projects in the company including the subcontractor activities, and also controls all staff productivity and material costs, and at the same time ensures that AMT projects are executed safely and within the allocated budget and time frame, and to the best satisfaction of the customers.

AMT utilizes the best available project management skills, techniques and tools to successfully complete all phases of a project namely Site Survey, Design, Planning, Manpower utilization, Logistic support, Budgeting, Quality and Safety checks, In-progress inspection, Non-conformance reporting & rectifications, Final Testing, Inspection, Commissioning and Hand-over & Acceptance.

At **AMT** we distinguish and establish business best practices for the related services portfolios within the Fiber Networks Services domain that can be reused and tailored to meet specific customer or market needs. Our Team is capable to analyze and manage projects within client's budget and schedule constraints.

SAUDI ARAMCO BI 246

Project Name :
Replacement of Telephone Switches – Kingdom Wide

AMT worked closely with its partners to help Saudi Aramco replace all telephone switches with next generation Internet Protocol based Unified Communication network with IP Multimedia Subsystem (IMS) technology. AMT engineers and project managers assisted at each phase of the project to ensure a smooth implementation.

SAUDI ARAMCO BI 955

Project Name :
Alerting and Conference Systems Upgrade

AMT worked closely with its partners to help Saudi Aramco upgrade to a high quality IP Based audio conferencing solution. AMT was responsible for installation of room based speaker and microphone systems in addition to real time streaming nodes controlled by a centralized IP Multimedia Subsystem (IMS) control network. The system was designed with overlapping fault control mechanisms to eliminate down time for a high priority service.

KING FAISAL UNIVERSITY

AMT has completed multiple projects for this important client due to their rapid expansion and because AMT's on time services.

AMT has provided a full communication infrastructure for many new buildings for many thousands of users across the growing campus. IP/MPLS switching networks in addition to Voice Switches, Wireless LAN , and the supporting infrastructure of Outside Plant copper/fiber and In-building Structured Cabling with Low Voltage systems are all installed by and maintained by AMT engineering team with the help of our project managers.

Client:

King Faisal University is a public university with the main campus in the city of Hofuf in Al-Hassa, Saudi Arabia founded in 1975. KFU was initially established with four colleges: two in Dammam and the other two in Al-Ahsa with a total enrolment over 90,000 students.

One of the main goals of the university was in the area of scientific research to be one of the basic requirements so as to address the problems of society since its inception. The university has sought to revitalize and strengthen scientific research and has completed more than forty national research projects. It has also published more than 2,000 scientific articles in domestic and international scientific journals.

MOI MAKKAH COMPLEX

The scope was to Design, supply, install, test and commission Data Network System, Structured Cabling and Telephone System for 50 Buildings at the governmental complex at Muzdalifah.
Providing 3 separated network to serve NIC network, campus network, MCCTV network based on basic guideline and client meeting to figure the need and application of this project

YANBU EXPORT REFINERY (YASREF)

AMT worked with multiple package owners to complete the Voice & Data network across the whole refinery site including Wireless Local Area Network. AMT delivered this project successfully with our partners in a challenging environment where safety is a primary concern. Complex requirements from multiple specialty contractors for indoor and outdoor plant communication needs were listened to by our project management team so each stage of the network installation would fit with the Refinery section being developed at the right time in their overall plan.

Customer:

The **YASREF** Refinery Project involves the construction and operation of a 400,000 barrel per day (bpd) integrated petroleum refinery in the Yanbu Industrial City located on the west coast of Saudi Arabia along the Red Sea. As a full conversion facility, the refinery will process 100 percent Arabian Heavy Crude, maximizing the resource and producing gasoline, high quality diesel, and liquefied petroleum gases (LPG) as well as byproduct sulfur and petroleum coke for export. The refinery will include process units for the separation and conversion of the feed crude into finished products, utility and offsite systems to support the refinery operation, and associated feed, intermediate and product storage facilities.

PARTNERS

AMT selects its Local & International partners based on our confidence in their technology and services only after careful evaluation. Each technical solution must solve a problem or make solving problems easier in the day to day business of our customers.

AMT understands the challenges faced by IT managers with limited resources , tight budgets , and new expanding demands from end users. For this reason AMT partners with market leaders in their fields that can deliver on their commitment to provide a high quality product on time to site and working properly.

HPARUBA

[GOLD Partner]

Data Network

HUAWEI

[SILVER Partner]

Network solutions

LAN| WAN |UC | UPS | CCTV

CISCO

[PREMIER Partner]

Routing & Switching| Wireless

 UC | Network Security

JUNIPER

[Reseller]

Network Solutions
Routing & Switching

COMMSCOPE

[Selected Partner]

Cabling solution
UTP coper | Fiber

ALCATEL

[Reseller]

Business Telephony &
UC

HP

[Reseller]

ICT solutions

NEC

[Reseller]

Multimedia Projectors

& Screens

AVAYA

[Reseller]

Audio Video Systems

PARTNERS

SUPERIOR ESSEX

[Reseller]

Wiring & Cabling
Solutions

IKUSI

[Reseller]

CA TV Accessories
& Solutions

MIRCOM

[Reseller]

Intercom System

BELDEN

[Reseller]

Signal Transmission
Networking Products

EXTERITY

[Reseller]

IP TV Solutions

AXIS

[SILVER Partner]

Audio Visual Systems

Carrier

[Business Partner]

Fire & Security Systems

BOUYER

[Reseller]

Public Address System
| Audio Solutions

EDWARDS

[Platinum Partner]

Fire detection
& Alarm Systems

CHRISTIE

[Reseller]

Projection & Video Wall

CLEAR ONE

[Reseller]

Audio Conferencing
& Video Solutions

APC

[Reseller]

UPS Systems

SAPLING

[Reseller]

Master Clock Systems

ATLAD IED

[Reseller]

Communication
Systems

EXTRON

[Reseller]

A/V Systems

Your Partner For Success

SOLUTION AREAS :

- **Data Networks & Storage**
- **Telephony**
- **Wireless Networks**
- **Network Security**
- **Fire Alarm Systems**
- **Nurse Call Systems**
- **Audio Visual Systems**
- **IPTV & Digital Signage Solutions**
- **OSP Services & Solutions**
- **UPS Systems**

Tel.: +966 13 810 05 47, fax: +966 13 810 05 46,
P.O. Box: 34227, NSH Towers
6455 King Fahd Road, Rakah Al Janoubiyah
Tower B, 9th Floor, Office N 902

Email: info@amt-arabia.com
www.amt-arabia.com

AMT Riyadh Office: Tel.: +966 11 460 32 22
Fax: +966 11 460 29 14 Ext.:102
P.O.Box: 3224, Olaya, Riyadh 11471,
Email: sales@amt-arabia.com