

ABS IT-Engineering

We safeguard each system at our clients to ensure that the following security objectives can be achieved for all stakeholder's information:

Confidentiality - Protecting information from unauthorized access and disclosure.

Integrity - Assuring the reliability and accuracy of information and IT resources by guarding against unauthorized information modification or destruction.

Availability - Defending information systems and resources to ensure timely and reliable access and use of information.



ABS IT-Services

ABS services group is created in addition to the engineering foundation of ITSEC systems discipline for O&M Industrial environment support. The main objectives of ABS services group are:

- IT-Cyber Security; protect the information and systems that support the client's operations and assets
- Physical Security, CCTV, SA and Access Control Systems
- Communications - PI / PA & Radio
- Server Headend management and PLC industrial system maintenance
- Implement three step security authentication firewalls for critical VPN access
- Analytic Data collection

Physical Security & Situational Awareness

- Multiple video management systems used with no connections to each other
- Capability to manage and support system with over 1000 cameras
- Provide solutions upgrading to enterprise VMS system with SA implementation in critical rooms throughout client facilities
- Support sound intelligence and loitering implementation via Axis cameras for critical public areas.
- Methodology VMS approach - multisite implementation with SA (situational awareness) - Central, APM, asset storage location, safety critical rooms, facility perimeter, support wayside coverage.
- Onboard stand-alone CCTV system with event recording. Geographical DMZ download option to O&M facility.

Communication Transmission Infrastructure - CTI



SUPPORT AND MAINTAIN
SECURE RADIO AND VOIP
PHONE SYSTEM.



ADD VALUE TO
UPGRADED SYSTEM,
ENHANCE SUPPORT
PROCESS.



SUPPORT SECURE
NETWORK
INFRASTRUCTURE THAT
CONNECT HEADEND
SERVERS WITH FIELD
SYSTEM.



PROVIDE SOLUTIONS TO
EXPEND VOIP AND
INTERCOMS TO CRITICAL
ROOMS.



CTI INFRASTRUCTURE -
REVIEW AVAILABILITY
FIBER INFRASTRUCTURE
DRAWINGS. EVALUATE
FIBER AVAILABILITY FOR
FUTURE SYSTEM
OVERHAUL.

Headend Hardware & Software Support



CCTV - Upgrade in process, review project plan and advise with best approach for cabinet installation and simulator implementation.



Implement recommended IT Security as per OEM



Support T&C with inhouse staff and supervise proper security implementation



Industrial Systems - evaluate obsolesces headend upgrade project scope.



Implement recommended IT Security standards as per OEM



Upgrade needed to headend equipment, SVRs are obsolete.



PLC systems – provide industrial system support, evaluate system status.



Collaborate with OEM for system assessment under new ICS standards

ABS - Supported Systems



Wayside CTI Networks	Wayside CCTV	Onboard CCTV	Wayside Public Information System
Wayside Public Address System	SONET Network / Fiber	Wayside VoIP PBX	Wayside CTI Networks
Wayside CCTV	Onboard CCTV	Wayside Public Information System	Wayside Public Address System
	SONET Network / Fiber	Wayside VoIP PBX	

ABS - Achievements @JFK Int'l Airport

- Maintain, manage 7 Industrial Core Systems and 17 sub-systems. IT-Engineering Group maintains less than a 0.5% network downtime.
- IS&T Network Overhaul - Upgrade Network Infrastructure for JFK site w/1GB PoE user interface
- Integrate Network Devices via WAP – Support Team Collaboration and Training
- Create business plan for 500MB Dedicated Business Ethernet Solution for asset management Access Public Information enhancement by adding train predictions on the platforms.
- CCTV services enhancement by adding onboard video capability via wireless technology.
- Creation of new XML code supporting PI and PA systems protocols.