



Drawing on extensive engineering and design expertise, AMSEC has leveraged our fundamental marine engineering capabilities to launch an expanded business base providing engineering services for commercial facilities and infrastructure and for security system integration engineering. Our managers, designers and engineers support shipyard and transportation system infrastructure upgrades, facilities assessments and system design, including:



**Floating Detention Facility**

- surveillance, access control and security systems for public transportation facilities, bridges, tunnels and marine terminals;
- Radar, X-ray, CTX/EDS scanners, gamma scanners, and EZPass;
- emergency evacuation systems;
- telecom, intercom, and radio communications systems;
- waterfront facilities engineering;
- elevator and people moving systems;
- dry-dock surveys and maintenance recommendations;
- crane and crane foundation condition surveys and certification audit support;
- construction drawings, tracking databases, and maintenance management tools; and
- installation/alteration design.

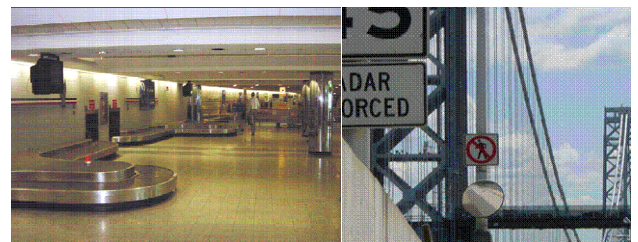
Our designers and licensed professional engineers provide effective solutions to port authorities, transportation authorities, public and private shipyards, state and local government agencies and commercial/industrial businesses.

### AMSEC Provides Full-Service Facility and Security Engineering

Our staff offers facility owners, managers and occupants a full range of project management and core technical capabilities that can be utilized to solve complex problems and improve operational performance:

- project management and owner representation;
- feasibility studies;

- system architecture, engineering, installation, and integration;
- contract and detail construction drawings, specifications, and standards;
- engineering analyses, simulation, and 3-D modeling;
- specialized camera, fence, access control, and sensor systems;
- regulatory agency interface requirements and approvals;
- site surveys, risk analysis, As-Is assessments, and reports;
- maintenance planning and logistics support;
- environmental engineering; and
- cost estimating.



**Port Authority of New York and New Jersey Security for Bridges and Airports**

### AMSEC's Current Design and Engineering Customers

We have provided facility- and infrastructure-related engineering services to the following organizations and firms:

- Port Authority of New York and New Jersey;
- New York City Transit Authority;
- New York City Fire Department;
- New York City Department of Sanitation;
- USS INTREPID Museum;
- Commercial shipyards; and
- Nansemond Precast.



**Concepts and Feasibility Studies**



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Our Facility and Security Engineering portfolio includes projects for port authorities, transportation facilities, state and local agencies, and the federal government. AMSEC understands security requirements, technology and procedures, and has a large, diverse staff capable of supporting simultaneous initiatives. AMSEC is also a major provider of engineering planning services and technical documentation products to the U.S. government and commercial customers. Recent projects include:

- hardened guard posts using hydraulically raised vehicle barriers and state-of-the-art identification and entry control systems at LaGuardia (NY) Airport;
- installed enhanced security and access control, including integrated proximity and biometric readers and CCTV;
- installed Perimeter Intrusion Detection System (PIDS) at commercial airports;
- installed integrated public address and visual paging system at public transportation facilities;
- installed intrusion alarms and improved CCTV coverage;
- installed improved EZ Pass violation enforcement system at multiple facilities;
- conducted feasibility study for relocation of police emergency garage at LaGuardia (NY) Airport;
- installed CCTV cameras at LaGuardia (NY) air traffic control tower;
- provided CCTV system implementation at New York and New Jersey marine terminals;
- installed digital CCTV system at Port Authority bus terminal (NY);
- installed upgrade to Supervisory Control and Data Acquisition (SCADA) system at Kennedy (NY) Airport;
- installed motorized security gates at New York and New Jersey marine terminals;
- installed emergency evacuation siren system at the New York and New Jersey marine terminals;
- provided technology specialists for New York Metropolitan Transportation Authority security initiative; and

- implemented 800Mhz Public Safety Radio system in-building coverage improvements at Teterboro (NY) Airport and Port Authority Bus Terminal (NJ).

AMSEC is committed to providing in-service and full life-cycle engineering support, enabling integration of state-of-the-art enhancements. Our full range of capabilities enables end-to-end support for transformation of operational needs into a detailed description of system requirements, assessment, planning, evaluation and program execution for the most complex system improvements. AMSEC has the skill and experience to design, install, test, and implement systems that interoperate in most complex environments.



**Monitoring, Detection, and Communication System Development and Integration**



**Access Controls**



**Public Infrastructure Security**

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