



AD Network Video combines the world leading technology of the AD Group to deliver seamless security and safety solutions.

- Vertical Market: Government
- Country: U.S.A.
- End User: Norfolk Naval Station

Customer Challenge

The US Navy's Mid-Atlantic Region comprises Norfolk Naval Station, LANTFLT Station, Craney Island and Naval Amphibious Base, Little Creek, all located in Norfolk, Virginia, and the Naval Air Station Oceana in Virginia Beach, Virginia.

Norfolk Naval Station is the homeport to 63 Navy ships, including guided missile cruisers, destroyers and frigates, multi-purpose aircraft carriers, amphibious assault ships, and a variety of submarines.

Heavy vehicular traffic creates slowdowns at secured gated lanes. This, along with advanced technology and increased Anti-Terrorism/Force Protection requirements, resulted in the Chief of Naval Operations directing the US Navy to implement an integrated gated program to enable rapid automated access and video verification of authorized vehicles and pedestrian traffic into US Naval facilities.

The Navy selected Executive Technologies Corporation (ETC) of North Charleston, South Carolina, to design and install a baseline gate system for the Mid-Atlantic Region in Norfolk that could be expanded for all gate applications.

AD Network Video Solution

ETC determined that a combination of Dedicated Micros' BX2 DVRs with 120 PPS, a 640 GB hard drive and CD Read-Write drive, and Extreme CCTV's REG™ license plate recognition cameras was the only integration to accomplish license plate capture at the required maximum speed.

"The Dedicated Micros BX2 constitutes a sophisticated integration," Stubbs said, "using embedded operating software for reliability to enable one hundred percent license plate recognition and image capture up to a speed of 32 miles/hour."

The BX2s were integrated at each gate with the REG cameras, along with PTZ cameras to monitor the overall gate area. The results have included an incident that reinforced the system's capabilities. The NAS Oceana Physical Security Department received an alert regarding a suspect truck that was going through Truck Inspection, and then picking up probable foreign nationals.

The security staff reviewed the digital images, identified the truck's tag number and the number of people inside. They burned the image to the BX2's internal CD and reviewed it in detail. The incident proved to be a false alarm, but it was a good trial run for the staff.

The success of the project has driven the Navy to recommend the baseline gate solution for all U.S. Navy Bases.

Case Study