

# The Sea Locks Project

Project Sea Lock has over 70 locks and accommodates cargo boats up to 300 feet long. The locks are primarily used to prevent water from flooding the mainland while still allowing a viable shipping channel. The Project is a major contributor to this host city's economy as a shipping and receiving lane.



## The Challenge

Before DVTel's intelligent Security Operations Center (iSOC) was installed, each lock was either individually manned or someone had to be summoned from another location in order to operate the lock. When a boat arrives at the lock, the gate was manually opened and the ship monitored until it was fully enclosed, at which point the lock gate was then closed. In essence, all operations were manual, requiring onsite monitoring by personnel at all times.



This is an actual application of the SceneTracker solution introduced to the market just three years ago and now being used to provide substantial end user benefits and a quantifiable Return on Investment.

## The Solution

DVTel provided an innovative solution using current IP technology to greatly improve safety and efficiency in the operation of the locks. Using existing and new cameras at each lock location, DVTel's award-winning SceneTracker (an iSOC component) was used to virtually "stitch" together all camera views at each lock so that a complete scene of all locks is available to a centrally located operator. Today, personnel can view each entire lock on their monitor and open and close gates remotely. Using PTZ features adds another level of security. Verification of vessel identification information is more easily accessible (i.e., markings on the boat from an angle not easily seen from a monitoring station) and the boats can be remotely visually scanned if there is suspicious activity.

Using SceneTracker is logistically more efficient by replacing dedicated personnel at each lock or a team of people to man multiple locks, with a remote team using a vastly improved view. The iSOC/SceneTracker solution will provide the owner of the locks with a substantial annual savings.

By having a remote monitoring station, there is no need to dispatch a team to manually open and close a gate, allowing for more traffic to go through the locks on any given day, thus increasing overall project revenues. Delivery time is reduced because waiting periods are diminished. This improves the receiving and shipping of goods and provides the lock operation with improved statistics to promote the solution worldwide and improve the overall offering to the end user.

- Use Existing hardware – The project makes use of already-installed cameras, reducing the cost of the solution.
- Networked-Based Solution – No need to run new infrastructure because the existing network was used to support this new system.
- iSOC's SceneTracker Feature—Provides a real-world, real-time perspective of multiple cameras images in a single integrated view. While traditional video management systems typically provide multiplexed or sequential views, SceneTracker allows the world to be seen as the human eye was meant to see it. With SceneTracker, objects or persons can be tracked, zoomed in on and hovered over for a detailed view.
- Reduction in Manpower – Savings of over £250,000 annually.
- Increased Security and Operational Benefits – Using this system allows additional security measures to be put in place and the ability to verify information provided by the shipping company to keep the city and country safer.
- Improved Operations: In addition to a substantial reduction in manpower costs, the overall lock operations are considerably more efficient, resulting in greater customer satisfaction and a long-run increase in total revenue.

