

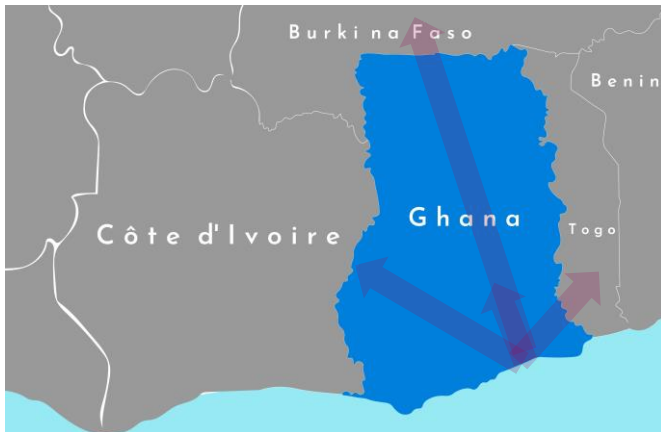


MERIDIAN PORT SERVICES ADVANCES DATA MANAGEMENT FOR ENHANCED THREAT DETECTION

Centralising and streamlining data processes in line with local customs requirements.

MODERNISING THE HUB OF NEW AFRICA

The Port of Tema is a container port managed by Meridian Port Services (MPS) located in southeast Ghana. Currently undergoing major expansion works, the port is set to propel Ghana to the forefront of trade and industry in Africa. Already handling more than 90 percent of the country's container traffic, that volume is set to treble following completion of its fourth berth¹.

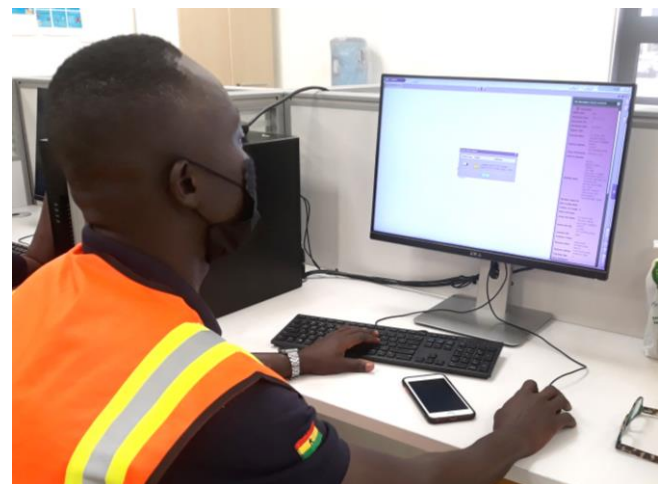


To maintain high standards at the Port of Tema, MPS has relentlessly pursued the latest innovations to enhance and streamline processes. Security is a top priority; as part of the expansion, MPS wanted to ensure that all 400 to 500 containers passing through the port daily are scanned for narcotics and contraband. Besides that, MPS had to comply with local customs requirements pertaining to data collection and distribution. All implementations had to be fast and efficient to ensure that operations matched the stature and reputation of Ghana's best port.

INTEGRATING DIGITAL SYSTEMS

At the Port of Tema in Accra, Ghana, the team worked in partnership with Smiths Detection to deploy the latest technology and systems to facilitate X-ray screening for both import and export traffic transiting through the port. Six units of the [HCV Z60 D5](#) have been installed..

The HCV Z60 D5 drive-through X-ray portal is capable of scanning 100 to 120 vehicles an hour for explosives, drugs, weapons, contraband and provides manifest verification to reduce the need for manual inspections.



¹ <https://theasset.com/belt-road-online/37663/chinese-built-port-in-ghana-operational-by-end-of-june->



Executing a project of this magnitude and complexity with Smiths Detection has been a success. From the start, Smiths Detection worked with the Port Authorities and Customs Authority Meridian Port Services Ltd to develop a sophisticated plan that gave a clear roadmap and helped us achieve our KPIs in collaboration with the Port Authorities and Customs Authority to protect the integrity of border security, and ensure that the nation's revenues are protected and efficiently collected at Terminal 3, Port of Tema. It's no easy feat to complete an installation amid the restrictions of a global pandemic, but thanks to clear and consistent communication with all of the stakeholders, we now have a safer and more digitally connected Port to serve Ghana and the surrounding countries.



Mr. Mohamed Samara,
CEO, Meridian Port Services Ltd

The main feature of the deployment is the [Dataset Management System \(DMS\)](#), a powerful and flexible server that stores data and files of inspected cargo. It pools and distributes information according to local customs requirements and enables centralised image analysis for each connected HCV system via a remote pool of operators. The DMS operates on a highly secured and dedicated IP network to allow data from all HCV systems to be accessed anywhere. In setting up the DMS, Smiths Detection also built an EDI protocol to ensure the smooth and seamless communication between MPS information systems and Smiths Detection systems.

Today, the Port of Tema scans 100 percent of containers that pass through it. Through the DMS supplied by Smiths Detection, the systems are connected seamlessly to the Ghanaian Customs Authorities IT; this digital integration allows all the systems to share images and associated metadata centrally. This gives Ghana and the surrounding countries the security checks and customs authorities' validation that ultimately benefit the whole supply chain.

The increased efficiency in communication has allowed the Port of Tema to improve throughput and maintain equipment uptime at 99 to 100 percent. It has streamlined human resource and processes, relying on only 20 remote image operators to view and analyse all cargo data at two central locations.

ENHANCED SECURITY AND EFFICIENCY

KEY BENEFITS: THE DATASET MANAGEMENT SYSTEM FOR THE PORT OF TEMA



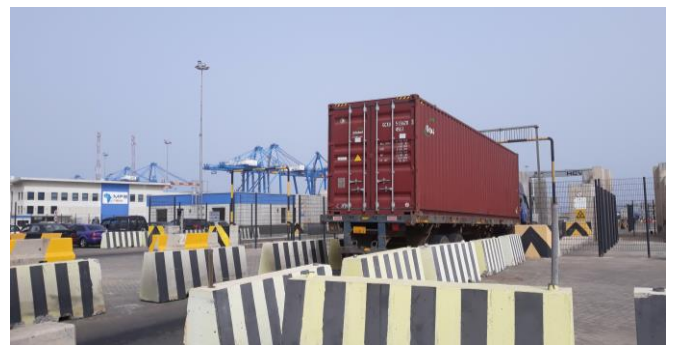
Increased
throughput
of cargo



Seamless digital
integration



Central
image
processing



Besides scanning all containers transiting through the port, new information on smuggling techniques and novel methods used to conceal illegal items can now also be shared swiftly with other security officials. This augments their threat detection capabilities, giving Ghana and surrounding countries enhanced security checks and customs authority validation that benefits the whole supply chain.



For more information on our border & port security solutions, scan the QR code here or visit: <https://bit.ly/30CbWY4>