

## Basra Oil & Gas Logistics

### ⚠ THE PROBLEM

Panorama Insurance Brokers is a multi-line insurance broker that serves its customers in emerging and post-conflict markets. It provides a wide range of commercial insurance products to its clients across the Middle East, Africa & South America. Panorama sought to develop one comprehensive solution to simplify risk management, mitigate loss and maximise recovery prospects.

According to the National Cargo Security Council, each year, cargo that is either lost or stolen costs the global industry \$50bn. A large proportion of this attrition occurs at seaports in less developed countries that are subject to a greater threats. Ports deemed to be in high risk areas such as the Middle East and Africa have a higher incidence of theft or misplacement due to poor security measures, lack of reliable communication infrastructure for monitoring or the inability to accurately locate containers or assets.

Primary challenges are perimeter & container security, tracking people, tracking containers portside and tracking vehicles, containers & freight after they have departed the port.

### ✓ THE SOLUTION

CONTX is a cost-effective, modular technology platform that can be deployed within the port and during transit to provide complete transparency on the location and status of people, freight and assets with real-time alerts in response to configurable notification events.

#### Within the port:

A local sensory network is created with the deployment of plug and play sensors that permanently monitor a variety of smart tags, app enabled smartphones and bespoke wearables across a wide area.

Wireless smart tags are deployed on the perimeter, at secure access points and on the doors of shipping containers and storage facilities and monitor all movements including failed intrusion. Environment tags monitor conditions around the port and inside storage areas such as temperature, humidity, light & pressure. Tracking tags monitor the location and status (ie temperature, humidity & motion) of containers, freight and assets themselves in a three-dimensional environment. Wearables track the location and safety of authorised personnel.

### 📊 THE OUTCOME

Panorama created Basra Oil & Gas Logistics (BOGL) to connect a group of 'best in class' commercial entities to provide efficient end-to-end logistics support and announced SENSEI as a partner entity.

By applying CONTX to a dynamic commercial environment with multiple security, efficiency and safety use cases, customers can enjoy the wide ranging benefits of working within a connected environment, where high value people and assets are carefully monitored for their own protection, while business processes are optimised via the increase in insight and usable data.

As highlighted, CONTX can be part of the asset supply chain, monitoring from point of origin to final delivery within the marine cargo supply chain. For the group of insurers, these elements create an environment where underwriters can pass on cost savings to clients for their cargo insurance programs – a solution where all parties can derive tangible benefits.

#### During Transit

An affordable range of disposable and/or reusable tags utilising either LTE or IoT LPWAN communication protocols enable tracking of the location and status of containers and goods globally.

Notification rules and events can be configured via the CONTX interface, providing real-time alerts and actionable insight to any user on any device when unauthorised access to an area or container occurs, asset