

CymbIoT Smart Port Case Study

Private Port Logistics Center



CymbIoT
Making IoT Smarter

SURVEILLANCE

Seamless surveillance across multiple cameras and locations.

LPR

License Plate Recognition for automatic vehicle identification.

RFID

RFID-tag employee identification & tracking system.

CONTAINERS

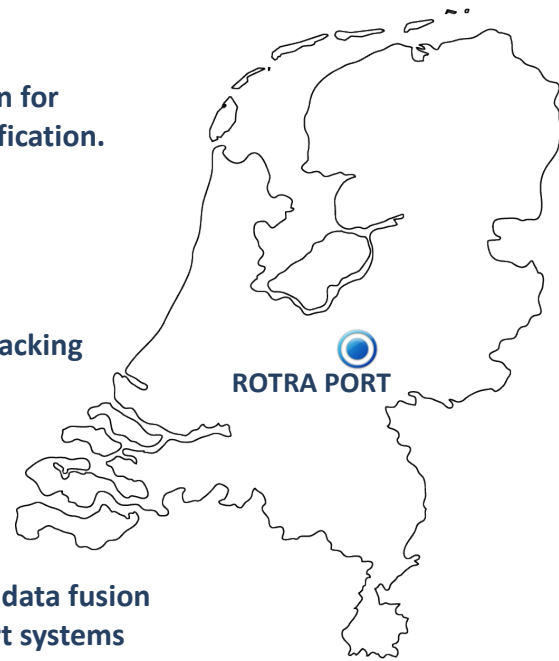
Automatic scanning & tracking of container ID.

ERP

Integration with Landing Bill management system.

C&C

Command & Control for data fusion and integration with port systems



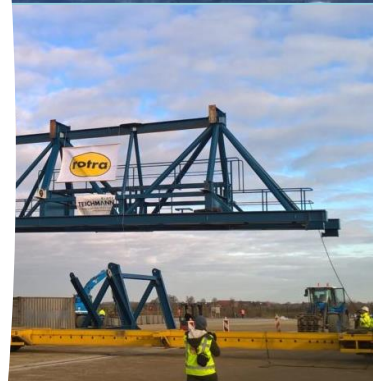
OVERVIEW

CymbIoT provided the privately-owned Royal Rotra sea port in the Netherlands with a unified system for automatically identifying, matching, and tracking shipments against landing bills and driver/vehicle identities. The integrated solution provides security capabilities, as well as delivering on its primary goal: rendering the process of releasing transported goods as rapid and effective as possible.

The integrated **CymbIoT** solution fuses data from container-scanning systems with landing bill ERP information, and then matches this information with identities of transport drivers and vehicles – granting access into and out of the port only to approved personnel carrying approved goods on approved vehicles at approved schedules.

MAIN OPERATIONAL DELIVERY

- Integration of ERP/surveillance/LPR/container-scanning systems
- Automatic matching of landing bills with containers/vehicles/drivers
- Automatic entry/exit according to matched data & permissions
- Security surveillance of offices, parking, fences, and gates
- Visual Analytics for monitoring and identifying abnormalities
- **Reduced time to exit & overall transportation schedule**

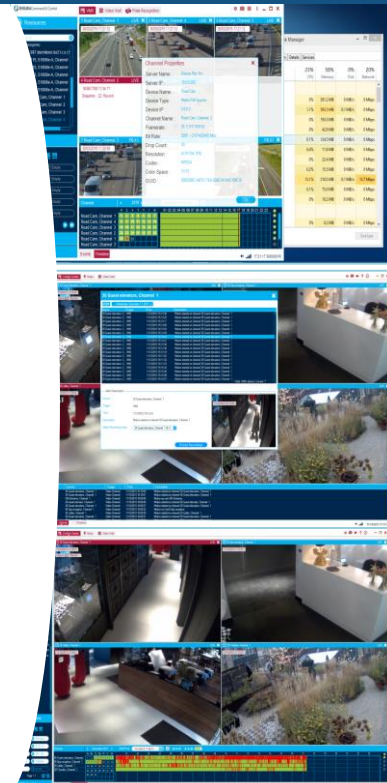


CYMBIOT COMMAND & CONTROL

CymbIoT Command & Control integrates data from all operational systems and surveillance sensors, providing operators of all types with actionable information and real-time response capabilities.

CymbIoT C&C ensures smooth “handover” between monitoring elements (identifying employee via RFID tag & LPR), and between operational systems (landing bill ERP system).

The C&C receives, integrates, analyzes, and releases information to users across the port organization, according to predefined procedures and permissions.



OPERATIONAL INTEGRATION

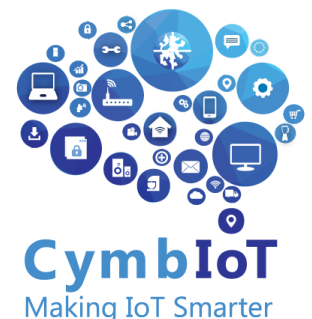
- Fusing of data from multiple systems
- Operational triggers based on data inputs
- Alerts to operational & executive operators
- Automatic access control for vehicles & personnel

SURVEILLANCE & MONITORING

- Absolute surveillance across multiple cameras.
- Operational connectivity of all cameras for complete Field of vision & Line of Sight.
- “Back to the future “ - track a moving object at X16.

ANALYTICS

- Face recognition
- Abnormal activity alerts
- License Plate Recognition





CymbIoT
Making IoT Smarter

CymbIoT's mission is to design, implement and deliver advanced Internet of Things (IoT), Video Management Solution (VMS), and Command & Control (C&C) platforms. We empower end users to configure and manage integrated networks of all types and scales - from Smart and Safe Cities, through Transportation Hub security, to Smart Buildings and Enterprise management.

With millions of sensors across numerous verticals using our products to deliver actionable intelligence and real-time response capabilities to customers worldwide - we have the experience, know-how and technology to deliver real world solutions that work.

HEADQUARTERS

Mail: P.O.B 37, Azur 5819001
ISRAEL

Tel: +972 (0)3-631-6881

Contact Us: info@cymbiot.com

SINGAPORE OFFICE

Mail: 6A Shenton Way
SINGAPORE 068807

Contact Us: APJ@cymbiot.com

ROMANIA OFFICE

Mail: Hareju 29, 2nd District, Arh.
Bucharest, ROMANIA

Contact Us: office@cymbiot.ro

ONLINE CONTACT

www.cymbiot.com/contact