



Virtual Workflow Solution with Real Benefits

Process automation key to
terminal optimization

At a Glance

Delivered on an IoT-enabled integration platform, EAGLE EYE is a real-time monitoring and tracking and process automation system that adds significant value to a Terminal Operating System (TOS).

It optimizes TOS by enabling real-time tracking and monitoring of equipment, assets and containers through virtual terminal functionalities. With 2D or 3D views of the terminal, EAGLE EYE enables command centre to spot congestion points, improve workload distribution and optimize equipment utilization, leading to greater productivity, lower operational costs and improved efficiency. This is further supported with the automation of key processes within a terminal's operating environment.

EAGLE EYE is fully integrated with CyberLogitec's OPUS Terminal and is also compatible with any in-house and third-party TOS products with minimal customization.

Key Benefits:

- ✓ IoT-enabled platform easily integrates with any existing TOS system
- ✓ Comprehensive terminal assets workflow management, with realistic operational views of terminal, that enhances your TOS
- ✓ Automation of key operational processes for more efficient and safer operations
- ✓ Allows real-time asset monitoring and tracking with DGPS/INS/RFID/PDS technologies to streamline work processes
- ✓ Capable of forecasting issues, pre-empting unpredictable incidents and improve workload distribution/re-distribution
- ✓ Increase productivity and boost profitability with superior asset utilization

Who We Are

CyberLogitec empowers the world's supply chain with advanced technologies that solve operational challenges and meet the exacting demands of our industry.

From maritime shipping operations, port and terminal operating systems to logistics forwarding and warehouse management, our integrated solutions help your business respond swiftly to changing operational needs. Our technology's advanced algorithms digitize and automate data exchanges to improve efficiency, competitiveness, productivity, and service, no matter which part of the global supply you operate within.

We provide a global service desk so you are assured of 24X7 customer support throughout the year. Headquartered in Seoul, with subsidiaries in the US, Europe, and China and a global sales and marketing team in Singapore, you can reach us easily no matter your geographic base.

Our mission is to provide our customers a digital foundation to achieve new levels of operational efficiency, offer exceptional customer support, and gain competitive advantage for a positive impact on profitability.

Contact a sales team member at e-mail:
sales@cyberlogitec.com or visit
www.cyberlogitec.com for country office details.

Container terminals are now a crucial part of the global logistics supply chain and need to operate at maximum efficiency to keep up with the requirements of a world economy that demands goods faster and cheaper all the time.

To give them a competitive advantage, terminals are looking to process automation for safer and more efficient operations, reducing the need for human intervention, while still retaining total visibility and control with the added ability to gather and transform digital intelligence into insightful information for future planning.

How EAGLE EYE can add value to your terminal operations:



Automate key processes for greater accuracy and productivity

EAGLE EYE's Auto Container Hand-off module is an intelligent tagging between the gantry crane and truck, acknowledging automatically the arrival of the correct truck at the correct yard location. The job is completed without drivers and operators needing to manually interact with the onboard vehicle-mounted terminals. With Job Stepping, the function predicts the sequence of jobs that are supposed to take place. By automating such key processes, EAGLE EYE facilitates accuracy, productivity and safety for crucial terminal operations.



Monitor, track and control with virtual terminal in real-time

By integrating IoT signals from cranes, yard trucks, other container handling equipment and location entry/exit sensors, Virtual Terminal displays real-time 2D and 3D views of the entire range of terminal operations, accessible from a centralized command centre. Incorporating panning, zooming and hovering navigation, Virtual Terminal offers a comprehensive view of terminal activities without the blind spots of CCTV monitoring. Operators can track status of operational KPIs as well as inspect apparent and potential bottleneck situations and other unforeseen incidents, and intervene and resolve issues promptly.



Advanced technology for improved automatic position tracking

Locate your terminal assets even in environments where general positioning systems cannot access, such as GPS "dead zones", narrow aisles between container stacks, and under large container cranes. By augmenting DGPS with Inertial Navigation System (INS) technology, EAGLE EYE communicates more precisely, in real time, the location of equipment or containers. With EAGLE EYE's dynamic geofence monitoring feature, you receive an alert when a terminal asset crosses a permanent or virtual geographic boundary, reinforcing safe operations within the terminal.



Expedient alerts from real-time asset tracking

EAGLE EYE manages equipment speed, estimated arrival time, and workload by alerting operators to terminal assets that are behind schedule. By tracking sensor indicators such as speed, idle time, engine operation duration, and truck mileage, terminals can respond promptly to real-time conditions to match productivity plans for each equipment, better managing overall workload at the terminal. EAGLE EYE's robust alert and warning suite also promotes high safety standards while minimizing the potential for human miscalculations.

What You Need:

- ✓ A TOS-agnostic add-on product that integrates easily with your existing TOS Solution
- ✓ Integrated solution on a platform capable of total tracking and management of all equipment within the terminal in real-time
- ✓ Automation of processes that streamline workflows and reduce incidences of human error
- ✓ Standardization of different equipment signals for comprehensive visualization of terminal assets
- ✓ Added safety management and security features to manage the many unpredictable variables of a complex operational environment

Find Out More

For a demonstration on how EAGLE EYE can enhance the existing TOS and optimize efficiency of your terminal, please contact us at: sales@cyberlogitec.com; for more information on CyberLogitec and the other solutions we offer, visit us at www.cyberlogitec.com.