



OCEAN SECURE
INCREASING YOUR
VISIBILITY AND CONTROL



CUSTOMERS NEED VISIBILITY, SECURITY AND CONTROL

Information is the key to less worries

For our customers it is important to ensure cargo integrity and to protect goods from criminal intent.

Ocean Secure helps to keep up with the demand on information:

- The position of a shipment
- The condition of cargo, e.g. temperature & humidity

Furthermore it provides high security by:

- Detecting if a container was opened during the transport
- Having security staff following up immediately upon alarm notifications

Ocean Secure allows us and our customers to react to events within short notice and take the required action:

Early detection of an unforeseen event as to temperature deviation, door opening or a container which is not on-route as scheduled.

Ocean Secure offers the visibility, security and flexibility to assure a reliable shipment from door-to-door. Standardized processes and efficient tracking devices with easy handling ensure situational awareness and a smooth in-transit shipment.

Ocean Secure delivers its value along three core pillars

Key Elements



Pool of tested Container Security Devices that are mounted to container to monitor location and condition of cargo

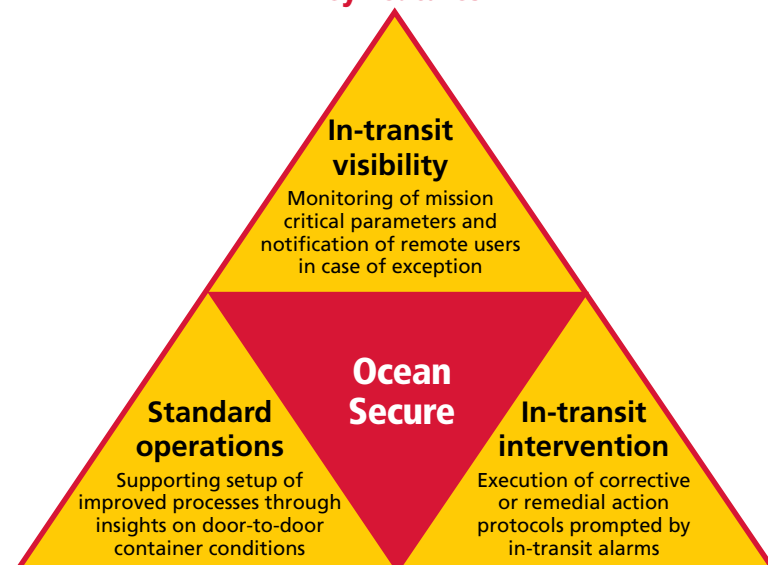


Communication networks to transmit data from device/container to remote users via GSM (Satellite service is limited)



Visibility platform to track shipments close to real time and manage situations

Key Features



WHY YOU SHOULD CHOOSE OCEAN SECURE

Translating customer interests into one service: Ocean Secure



VISIBILITY

- Benefit from increased transparency across trade lanes from door-to-door
- Track your shipments in real time to monitor condition and location of cargo via web portal. During high sea transportation (no GSM), device is recording but not transmitting
- Instant notification about incidents and irregularities. If needed, an intervention team takes corrective or remedial actions

SECURITY & RELIABILITY

- Increase protection against critical parameters for condition-sensitive, time critical or high-value cargo
- Reduced risk of theft and environmental impact e.g. by using a physical door seal
- Be in control of your cargo and make sure your shipment is on predefined route

FLEXIBILITY & CONTROL

- Be more flexible in planning due to exact whereabouts of container
- Benefit from more efficiency realized by integrated information flow which equals lower operation costs
- Ensure tighter control of remote logistics operations by improved processes through insights on container condition

KEY FEATURES & CUSTOMER BENEFITS

Translating customer interests into one service: Ocean Secure

OCEAN SECURE

CONTAINER POSITION

Tracking of whereabouts of the container during the trip

CONTAINER CONDITION

Monitoring of several parameters for the container: temperature, humidity, light etc. in addition to location monitoring through GSM and/or GPS

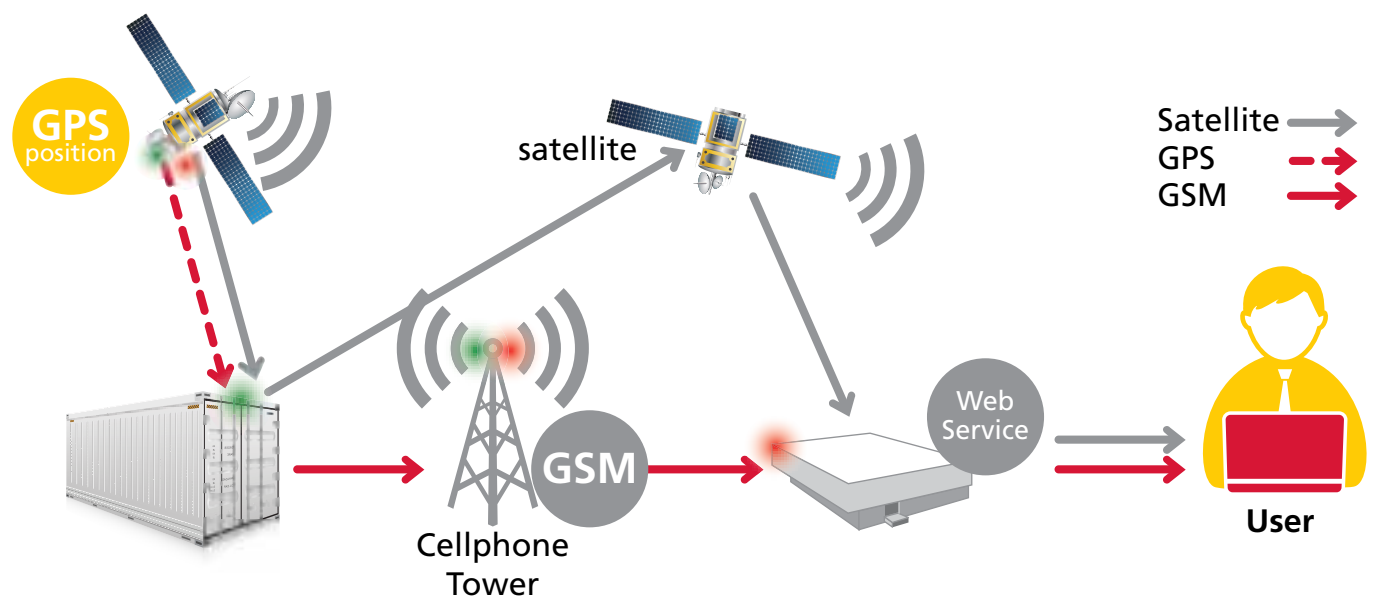
CONTAINER INTEGRITY

Monitoring of opening of the container doors during the trip in addition to location monitoring

CONTAINER SECURITY

Monitoring of door opening with notification by e-mail, SMS or call. Protect your cargo from theft or fraud

TRANSMITTING CONTAINER DATA BY GSM AND SATELLITE



	SATELLITE	GSM-GPS	GSM
Communication transfer by	Satellite	Mobile communications network (GSM)	Mobile communications network (GSM)
Location	Position obtained by signals of GPS	Position obtained by signals of GPS	From location of one or several cell phone towers

GPS = Global Positioning System; requires a direct line of sight from the container to several satellites for cross-referencing.

GSM = Global System for Mobil Communications; less accurate than GPS but orientation on the approximate whereabouts of a container.

Satellite / GPS: Connection may be limited due to technical restrictions, GSM is only available if distance to next signal pole is less than 12 km.

FREQUENTLY ASKED QUESTIONS



“Who takes care about installation and activation of devices?”

The customer or the DHL warehousing staff at origin. It depends on arrangement with the customer. The DHL team offers local guidance and training sessions for customers, if needed.

“Are there different services offered?”

Depending on your shipping needs, you can choose between different devices, covering different monitoring options. A combination of different devices is possible as well.

“Can Ocean Secure only be used for FCL?”

No, you can use Ocean Secure for FCL and LCL. In case of LCL we can attach the electronic device directly to cargo.

“Can Ocean Secure be sold as stand-alone solution?”

Generally not. We sell Ocean Secure as service element in combination with Ocean Freight services DGF is handling. This can be DHL Ocean Direct FCL and DHL Ocean Connect LCL. Ocean Secure is not only a device, but it is a combination of devices, communication networks and online platform.

“In which countries is Ocean Secure available?”

Ocean Secure is generally available globally. While most countries allow device import and monitoring, there are restrictions in some countries on data monitoring and/or import regulations.

“Do we have carrier approvals for the devices?”

We generally don't need specific approval from ocean carriers for using devices. Experience has shown, that all ocean carriers allow us already to use container security devices.

“Are there any limits to the technology?”

Under deck on vessels the GPS and GSM signal might be constricted. Same may apply for certain inside locations.

“Are the devices sold or lent to the customers? If they are lent, how are they received/ send back?”

The devices are lent to the customers. When a shipment arrives at destination, the customer/ consignee is responsible to un-mount the devices and sent them back. The Ocean Secure team can support on device logistics upon request.

“Is there a minimum subscription?”

Yes, minimum subscription for the devices is 1 month. Test shipments are generally possible. Depending on the device we recommend at least 3 months of usage due to setup effort and GSM activation.

You can find out more about Ocean Secure
online at **www.dhl.com** or by contacting
your local sales representative.

