



# Bureau International des Containers

Global Container Geofence Library (GCGL)  
Intermodal Rotterdam – 13 November 2024





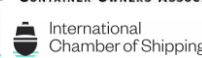


# About BIC

- **Non Profit NGO**, founded in 1933 under auspices of the ICC
- **3000+** members in **over 130** countries
- Promoting **safety, security, standardization**, and **sustainability**
- Official **NGO Observer** status at IMO, WCO, UNECE
- **Active at ISO, CEN** and other standards orgs

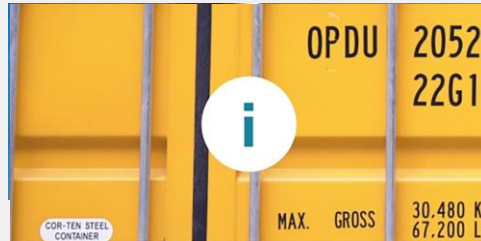


UNECE



# BIC – data resources

## BIC Digitalization Offering



**BIC Code Register**  
Unique Prefix for Containers



**Global Container Database**  
Technical Container Details



**BIC Facility Code &  
Geofence Library**  
Coded Container Facilities

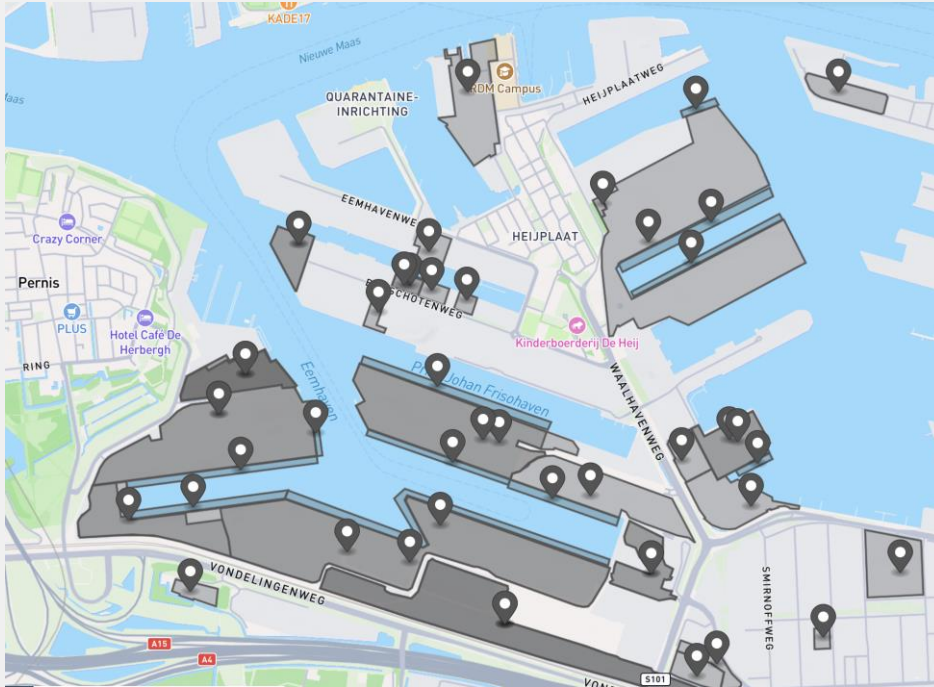




# Global Container Geofence Library

Common geofence library for BIC and SMDG facilities in the global supply chain

# Geofencing **what and why?**



A geofence is a representation of a virtual boundary around a real-world geographic area such as a port, terminal or container facility using a collection of latitude and longitude pairs.

# Global Container Geofence Library **Three Key Steps**



## Geofence White Paper

### **Defines:**

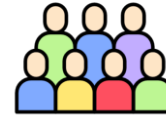
- Methodology
- Extension using 'Nesting'
- Best Practice
- Publication



## Geofence Review Platform

### **Allows:**

- Contributions
- Peer Review
- Revisions
- Publication
- Distribution



## Geofence Review Panel

### **Creates:**

- Consensus
- Collaboration
- Quality Control

# Geofencing Library Collaboration

- SMDG – Ocean Terminals (Global)
- BIC – Container Facilities (Global)
- IANA – Container Facilities (North America)
- CisCo – Container Facilities (Italy)
- BCSB – Container Facilities (Germany)

Working towards growing regional support in Mexico, Singapore and other areas.

BIC provide the tooling, training and support. **Local knowledge** supports the review process







# 1600+ Geofences

The Global Container Geofence Library passes the  
1600 panel-approved geofences mark



**1275** Depots Reviewed  
**3498** Pending Review



**325** Terminals Reviewed  
**189** Pending Review

**37** of top **50** ports defined by WSC



## Success Stories Three Examples of Adoption



Hapag embedded library into production systems and processes.

Setting up **dedicated calls** for specific areas

Provided Local Experts from regional offices to review panel to support efficient review process, increased pace of review process



**Dedicated calls** to approve geofences for CMA facilities

CMA CGM providing and reviewing geofences for 50+ owned facilities.

Established process of managing geofences for own facilities publicly via the library





**EVERGREEN LINE**

Evergreen now receive **push notifications** of changes to geofence into their production system.

Requested contracted terminals and depots to provide geofences. Huge uptake leading to 496 new geofences being requested from 200+ contributors in just a few weeks.

# Geofencing Online & API



Keyword / BIC Code / BFC 






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## BIC Facility Code Search Results

95 search results for "NLRTM" Results per page: 20 ▾

Geofenced With Geofence ▾ Filter by keyword

Code	Code Provider	Facility	Address	City	State	Zip	Country	Details
NLRTM5049	SMDG	WAALHAVEN BOTLEK TERMINAL (WBT)		Rotterdam			NL	 <a href="#">VIEW →</a>
NLRTMAPJO	BIC	KOOLWIJK POLSBROEK	Transportstraat 2	Bergambacht		2861 DZ	NL	 <a href="#">VIEW →</a>
NLRTMASLA	BIC	ASPENAL B.V.	Moezelweg 179	Europoort Rotterdam		3198 LS	NL	 <a href="#">VIEW →</a>
NLRTMBDP	SMDG	BROEKMAN DISTRIPOORT		Rotterdam			NL	 <a href="#">VIEW →</a>
NLRTMBURA	BIC	Burg Service Bv	Middenweg 6	Moerdijk		4782 PM	NL	 <a href="#">VIEW →</a>



**Questions:**

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