

# **BIC - Bureau International des Containers**

*Update April 2018*

- Bureau International des Containers (BIC) was created in 1933 as a neutral, non-profit NGO.
- Directly involved in all technical and commercial aspects of intermodal transportation.
- Promoting safety, security, standardization, and efficiency.
- 2100+ members in 120+ countries
- National Registration Organizations (NRO) in 40+ countries
- Based in Paris
- Official NGO Observer status with IMO, WCO, active with UNECE.



BIC databases help make the industry safer, more secure, more efficient and **digitalization-ready**.

**1969**

## BIC Codes

- The international identification code of containers,
- Guarantees that the identification of a container is unique
- Forms an essential part of the ISO 6346 standard
- Created in 1969 by the BIC; standardized by the ISO in 1972

“BICU1234565”

**2001**

## Locodes

- The international party identification and location codes used for containers
- Forms an essential part of the ISO 9897
- Maintained by the BIC since 2001;

“FRPARABCA”

**2013**

## ACEP

- The Global ACEP Database is operated by the BIC under the guidance of the International Maritime Organization (IMO)
- Provides global visibility of ACEPs issued by major maritime nations.

“ACEP/USA/  
1999/01234”

**2016**

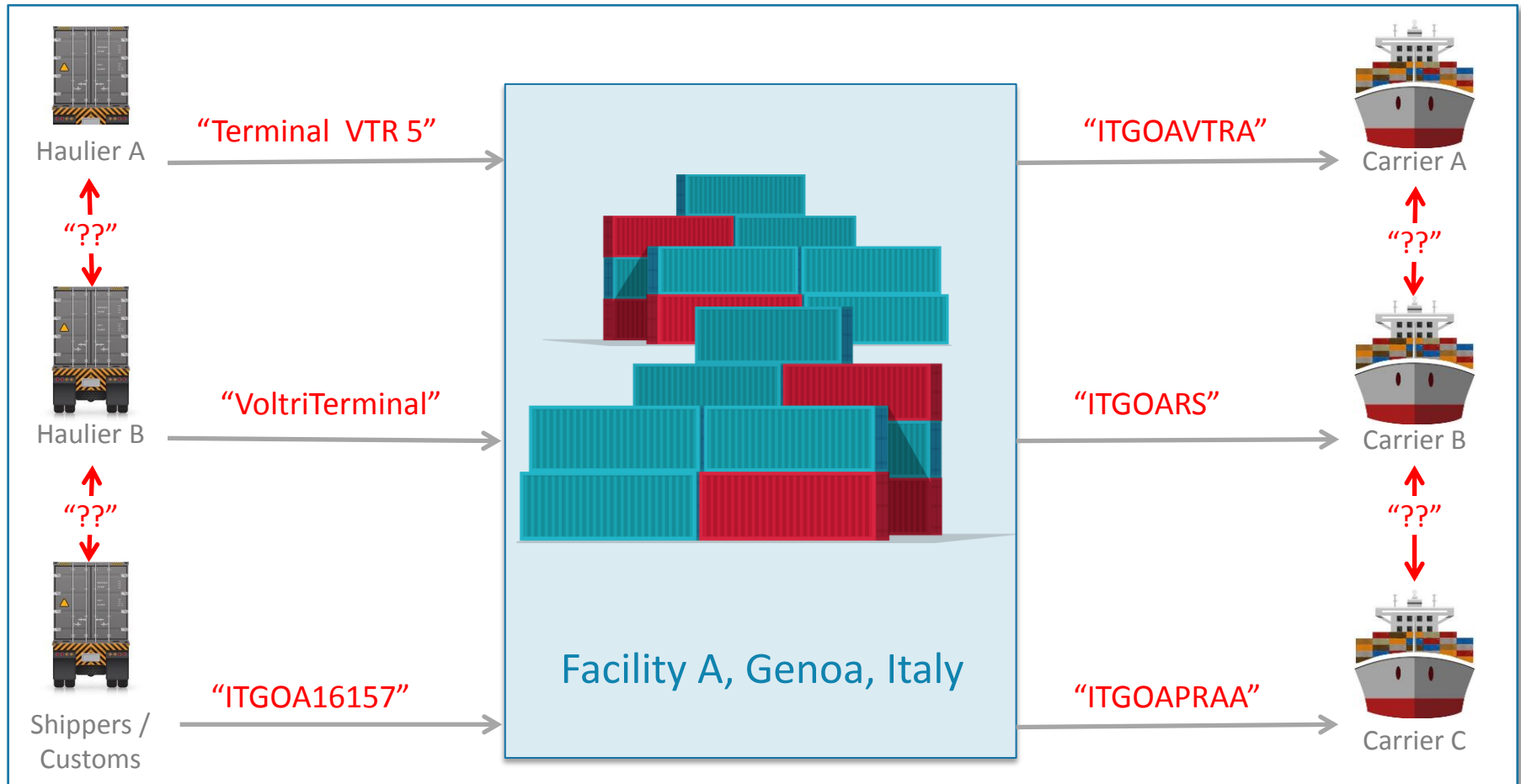
## BoxTech

- BoxTech is a neutral, centralized data repository providing owners and users a platform to easily exchange fleet technical details.
- Allows all parties to access a single database
- Allows equipment owners to flag container sales and issue exception and recovery alerts

Container  
Characteristics ->  
Asset Register

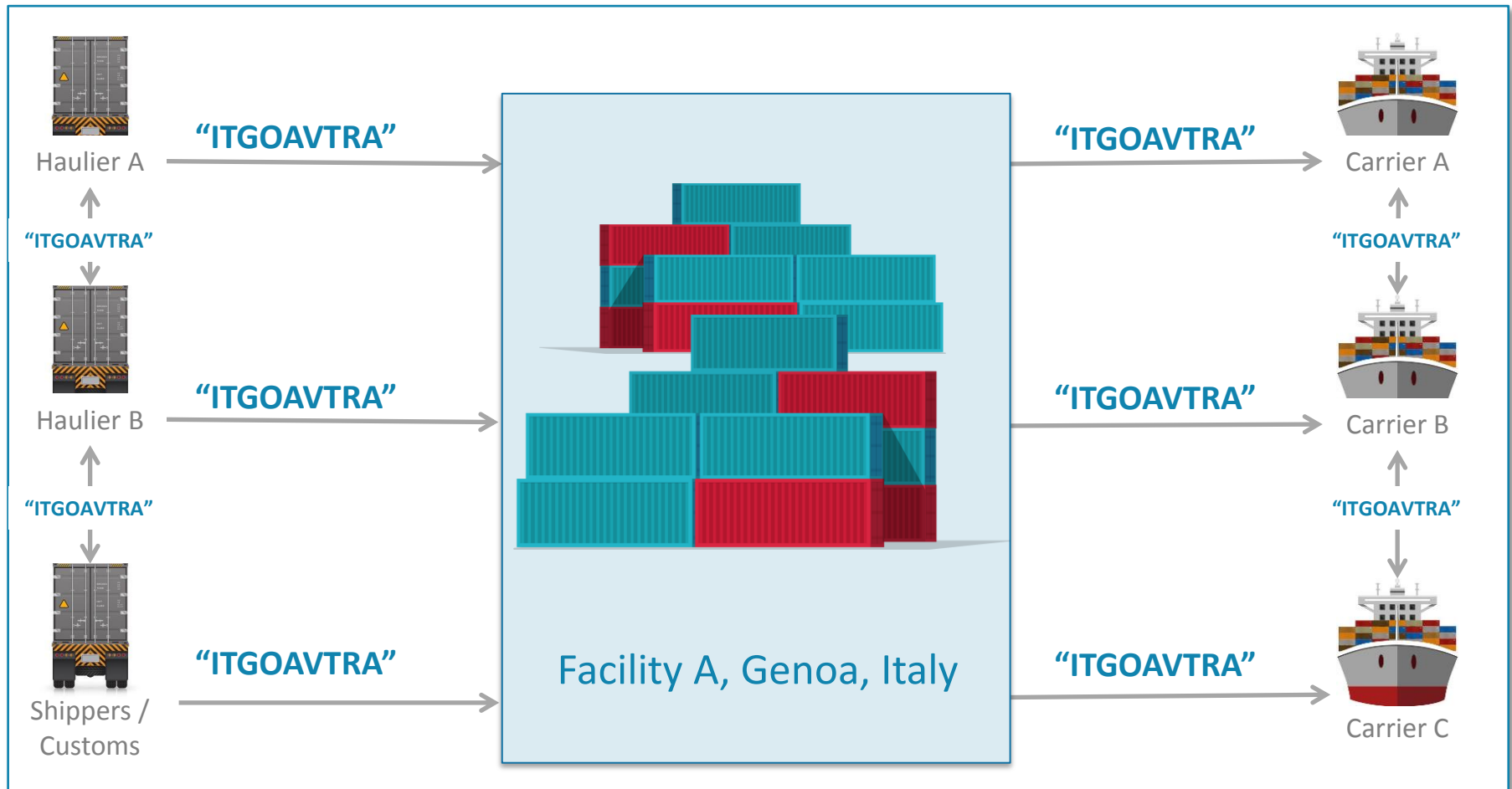
# No common language = Inefficiency

With no common language inefficiencies prevail, including wasted time, data re-entry, systems programming, depot changes and new depots, e-mail and phone calls, uncertainty and more. This system (or lack thereof) is also not future-ready!



# No common language = Inefficiency

With a common Location Code Database (BIC's LoCode Database) the same code will be used by all parties, saving everyone time and providing certainty that allows for future growth opportunities.

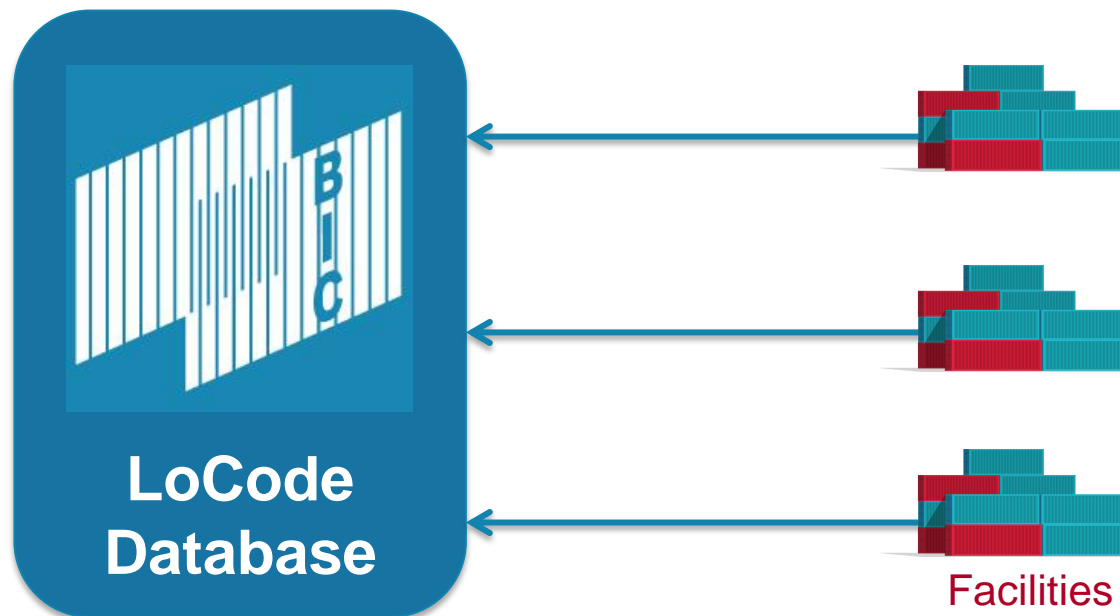


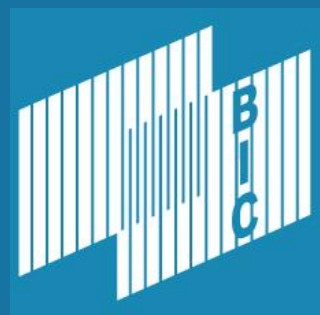
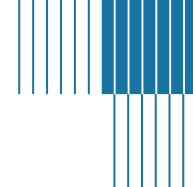
# Single source of updated information, instantly available



# Facilities have a single database to update

- Facilities have one single database to update
- Changes are made instantly with a single update
- GPS / Geo-fencing information is entered only one time
- Reduction of admin, e-mail and phone calls



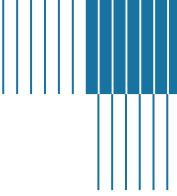


# Global ACEP Database



- Global ACEP Database allows national administrations to fulfill their CSC requirement to make public their ACEPs.
- Pilot launched 5 years ago, endorsed and appreciated by the IMO, various authorities.
- Appreciated in the industry. Still room for growth.

ACEP/USA1999/01234”



BoxTech

## What is BoxTech?

BoxTech is a **neutral**, non-profit, centralized data repository providing container owners and users a **platform** to easily **exchange** container fleet technical details.



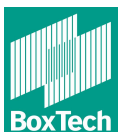
MAX. GR.	30.480	KG	22G1
	67.200	LBS	
TARE	2.200	KG	
	4.850	LBS	
NET	28.280	KG	
	62.350	LBS	

**Over 7.6 Million containers  
30+% of the global container fleet**

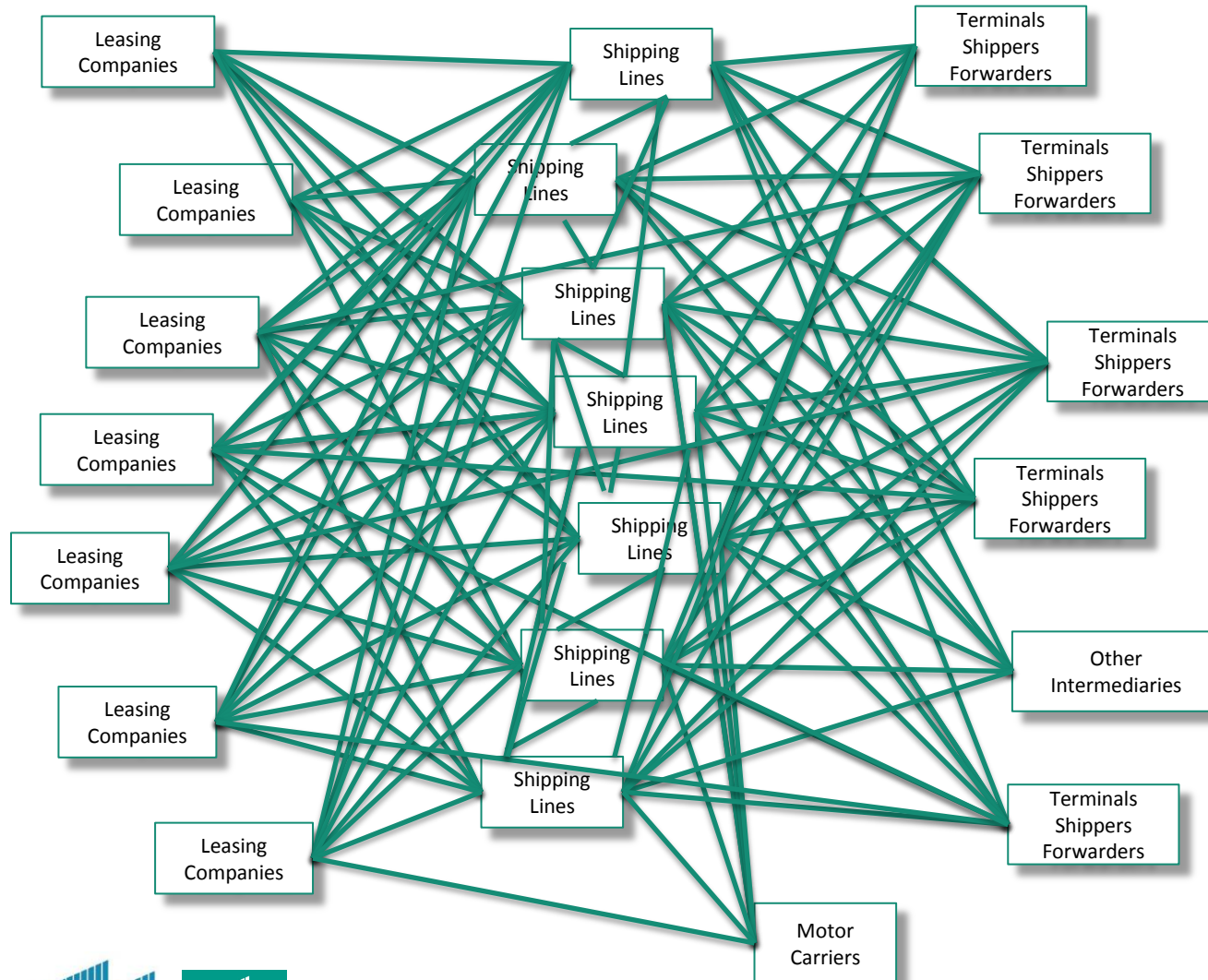


**Global  
Container  
Database**

**FLEET LOADED**



# Is this as good as it gets?



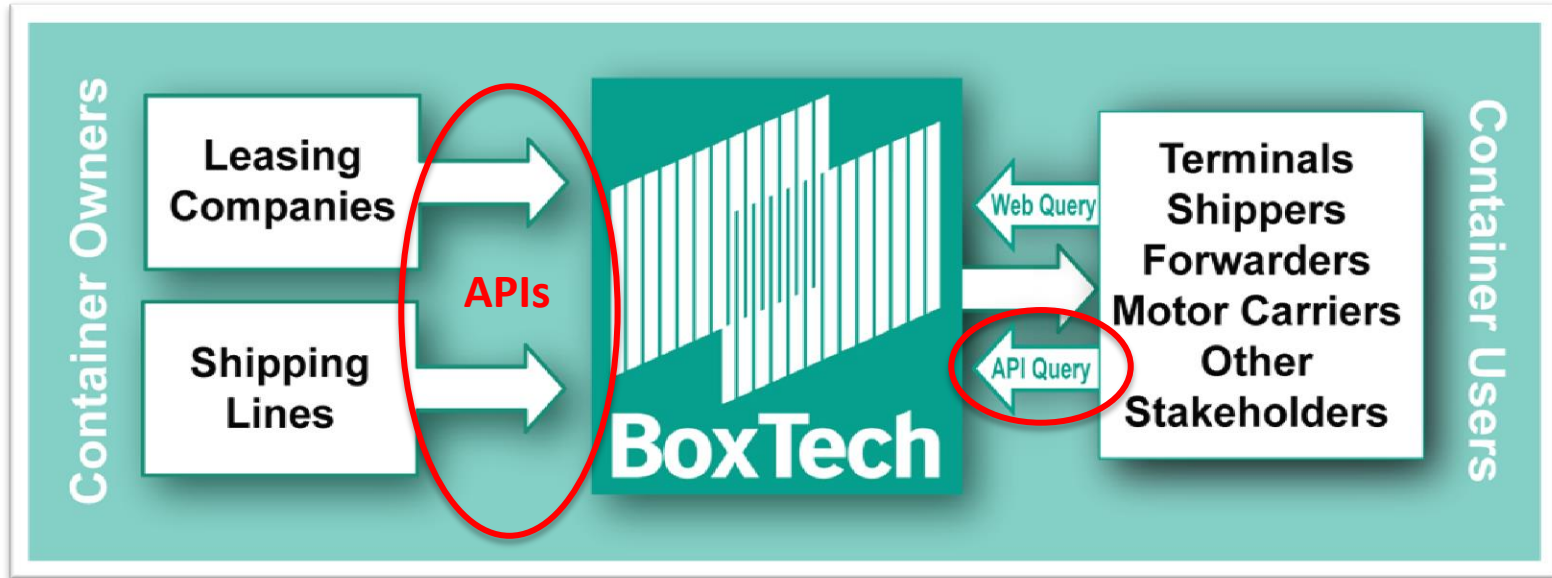
## Container Owners

- Receive multiple inquiries via phone and email; employees are being used for non-core business
- Processes are not in place for sharing key data
- Building/maintaining an online database is not core business

## Container Users and Intermediaries

- Must access multiple sources not always knowing who to contact
- Manual re-keying of data
- New processes needed for non-core business

# BoxTech TCD Provides a Centralized, Neutral Database for all parties

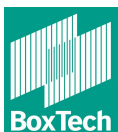


Use of BoxTech means a one-stop-shop for all parties.  
Everybody wins.

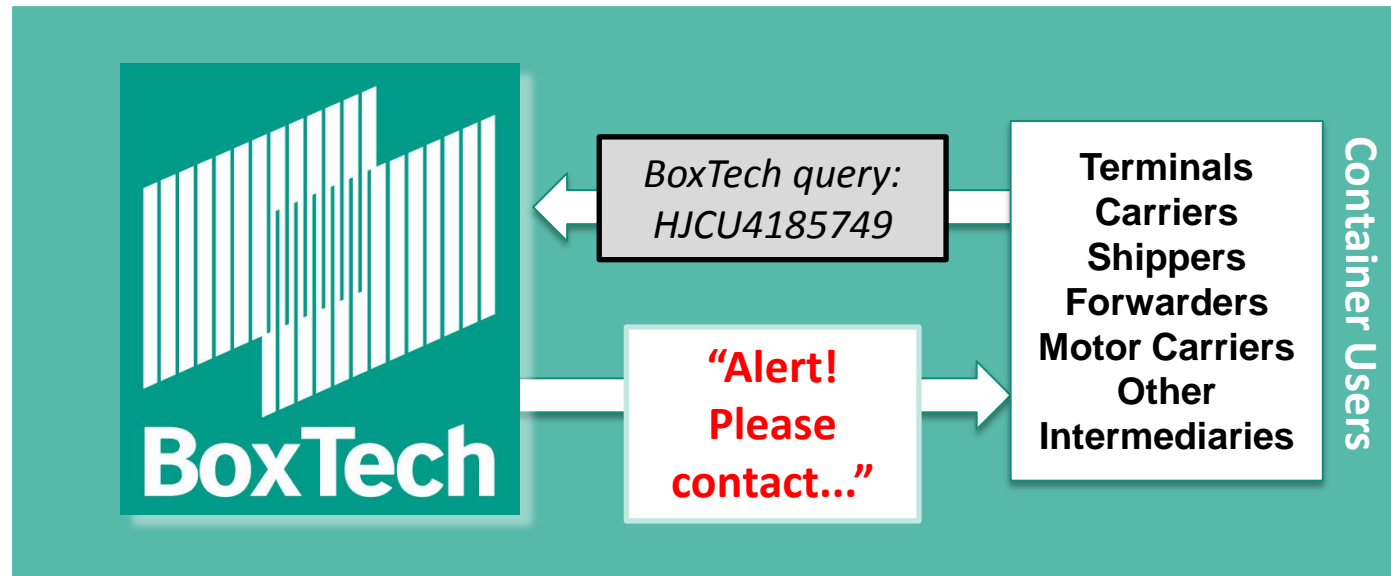
## What is BoxTech? v2

BoxTech is a neutral, non-profit, centralized data repository providing container owners/operators and users a platform to easily exchange container fleet technical details...

...and enables owners/operators to **alert** the shipping community of exceptions and recovery alerts, and to **flag** boxes as sold or scrapped. It also enables easy **API transfers** of data for both owners/operators and users.



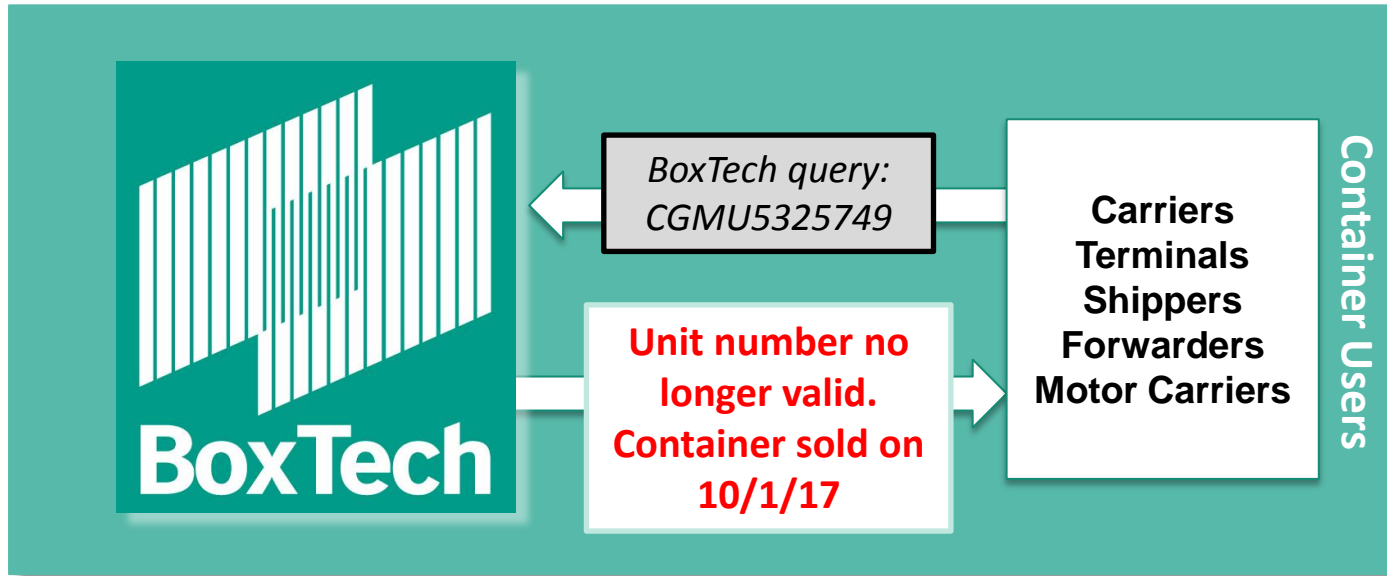
# Alerts: Recoveries, lost units, security



- Bankruptcy / recoveries
- Stolen/lost units
- Other exceptions: Many potential applications



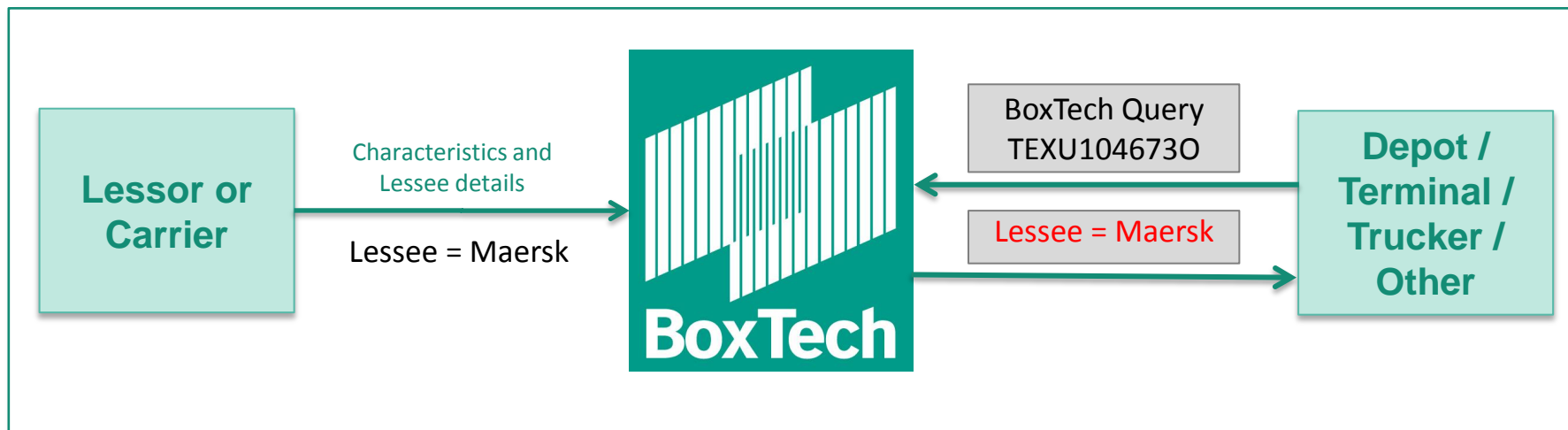
# Register of sold containers



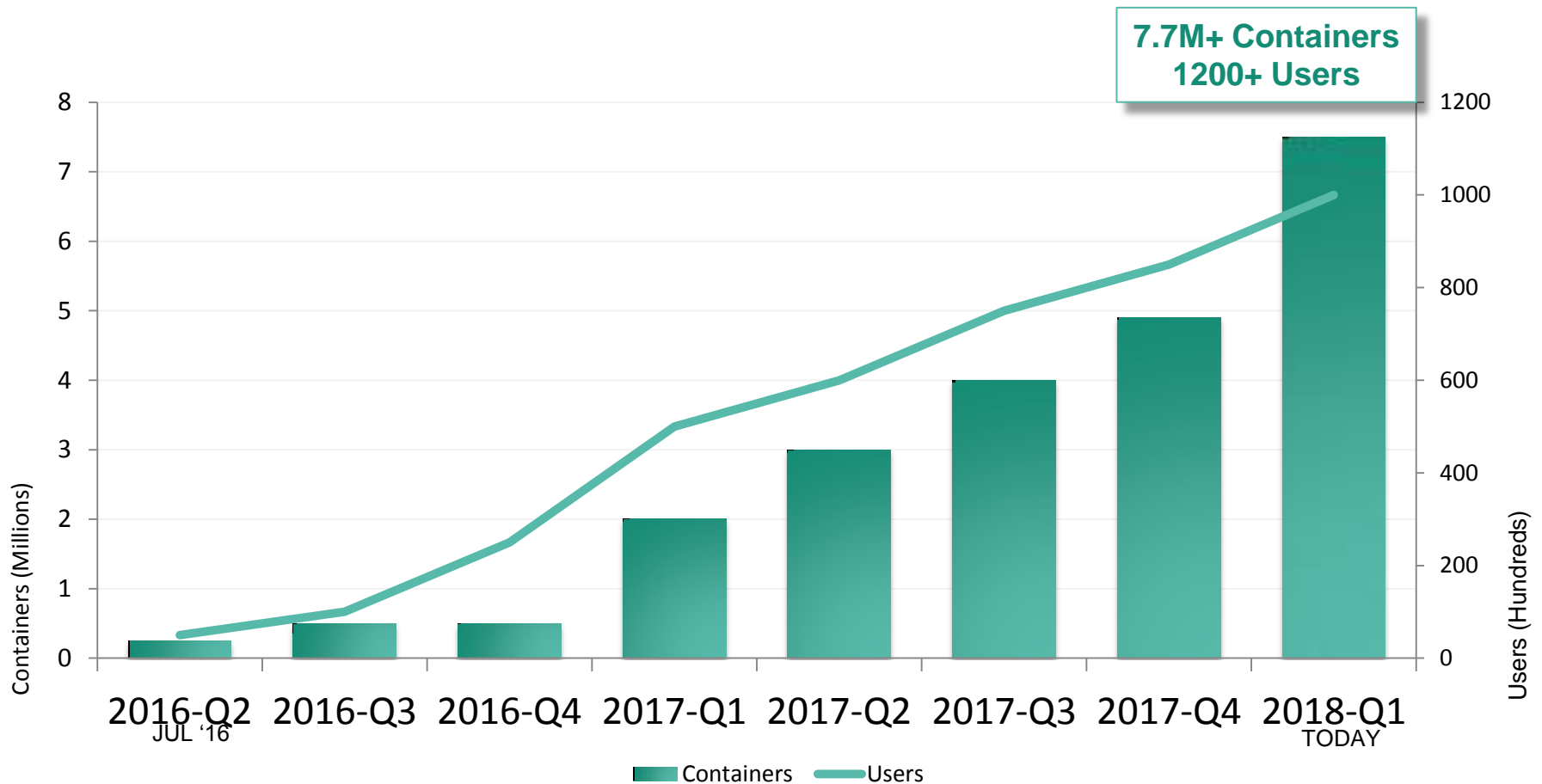
- Instant visibility / alerts on units that have left fleet
- Increased safety
- Risk reduction
- Maersk and CMA-CGM already using

# Planned v2.1: Real-time visibility of current lessee

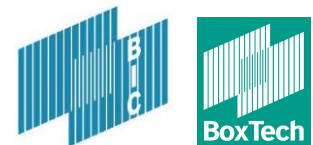
- Leasing Companies invited to provide the BoxTech database with additional information, including the current lessee
- BoxTech users such as depots, terminals, shippers and solution providers require ongoing visibility to current operator or lessee.
- Instant visibility of the current operator / lessee, allows for:
  - streamlined processes
  - the ability to allow quick decisions (e.g., re-use, street-turn, or just where to stack it)
  - fewer e-mails and phone calls.



# Ongoing Growth of BoxTech Database



- Both users and additional container fleets are continually added to BoxTech



# Major Fleets Uploaded



**MAERSK**  
LINE



**seaco**



**T.S. LINES**



**CONTAINERSHIPS**



**PAN OCEAN**



**Touax®**



*+ over 100 others*



# Demand for efficiency

1200+ major shippers, forwarders, terminals, rail and motor carriers have signed-up to access data.

## Shippers/3PL/Hauliers/Rail

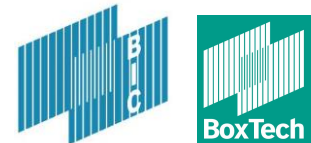


## Terminals



“Maersk is on a journey to integrate and simplify global supply chains, so we are in full support of the neutral BoxTech database as a tool to help improve transparency and efficiency in the industry.”

*-Ingrid Uppelschoten Snelderwaard  
Global Head of Equipment, Maersk Line*



# Win-Win-Win-Win-Win

## Container Lessors

- Avoid sending constant file updates to hundreds of lessees.
- Avoid phone/e-mail customer support to answer basic equipment questions
- Recovery Alerts

## Ocean Carriers

- Avoid chasing leasing companies for file updates
- Avoid the maintenance of online tare weight query tool
- Avoid phone/e-mail customer support to answer basic equipment ?'s
- Customer and vendor satisfaction: Make customers and other trading partners more efficient

## Shippers / Forwarders

- Avoid accessing dozens of different websites to obtain tare weight
- Avoid manual re-keying of characteristics
- Avoid any manual intervention whatsoever, once automated API in place

## Terminals/Depots

- More efficient planning through better visibility of container size/types and other characteristics
- Exception management: Non-standard equipment, spot errors, missing data

## Others

- Software and service providers, container buyers, insurance providers, surveyors, banks, customs, and more.



# Sign up at **bic-boxtech.org**

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