MARSEILLE FOS

le French smartport in med

Mediterranée Rhone Saone Blockchain logistic Project

November, 27th, 2019 Liège
Riverdating
Christophe REYNAUD - MGI

Marseille Gyptis International (MGI)

MANAGE

CONTAINER

BREAKBULK

RO-RO

DANGEROUS GOODS

LIQUID AND DRY BULK

including deconsolidators), export (including consolidators, transhipment, empty flows.

PROJECT

Goal : improve intermodal pre-post-routing on Rhône-Saône axis

900 km won on road

5000 km won on sea

Use of mass transportation (rail /barge)

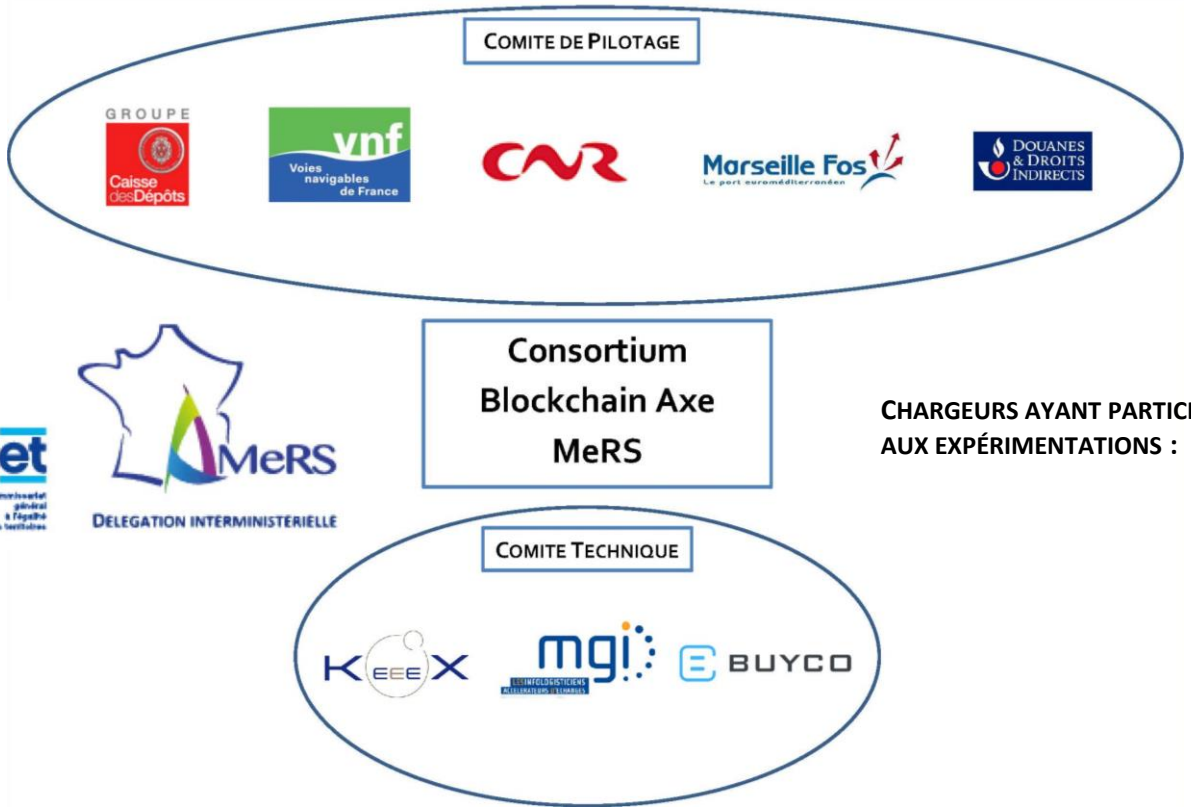
Economics regeneration of the axis

- Increase trafic on Marseille-Fos port (South Europe hub ambition)
- Use natural routes of the Rhône-Saône region
- Reduce transport costs and delays
- Environmental impact improvement

BUYCO mgi KEEX

PROJECT

MeRS Project stakeholders



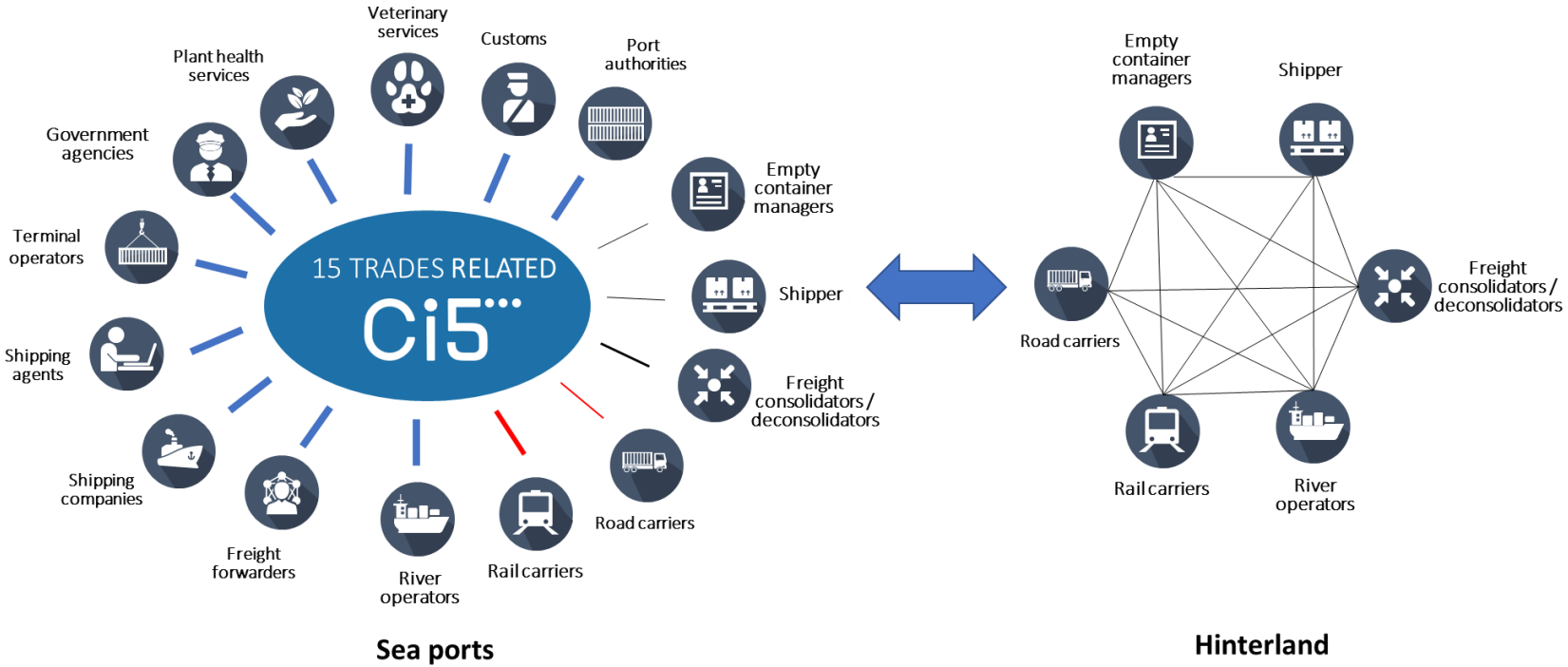
CHARGEURS AYANT PARTICIPÉ AUX EXPÉRIMENTATIONS :

alteo

KEM ONE

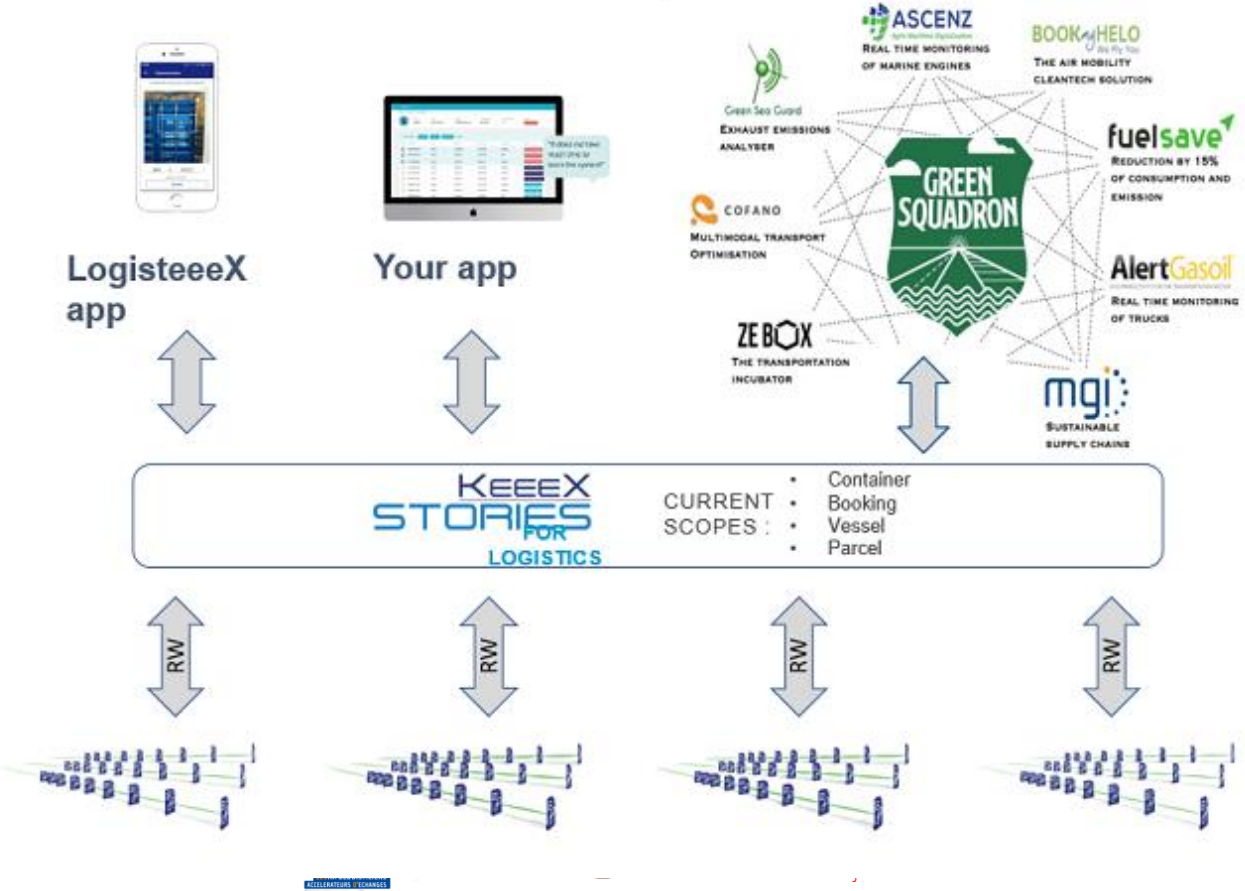
BUYCO mgi KEEX

Challenge: To integrate two different ecosystems



KEEEX STORIES : A SCALABLE & MULTI-TENANT PLATFORM

A logistics information exchange system based on a distributed architecture



BUSINESS APPLICATIONS

- Enhance your application with trusted and accurate data
- Participant's data can remain private or can be shared or/and traded with other actors to provide end-to-end traceability

KEEEX STORIES FOR LOGISTICS MULTI-TENANT PLATFORM

- Ready to deploy
- Constraintless universal API
- Compatible with Tradelens, UNCefact, S3000L, EDI, CCS, TMS, vessel or CO2 data…

KEEEX CHAINS SIDECHAIN AS A SERVICE

- Tamper-proof chains of data blocks (data, metadata, documents and events)
- Zero fee sidechain (off-chain)
- System states secured by blockchain
- On Premise or Cloud file storage

EXPERIMENTATION

Mobile App

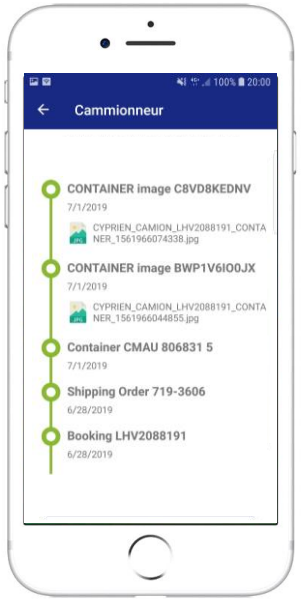
Access

Booking nb

Container nb

Seal QR Code

Chain Access



BUYCO mgi KEEEX

EXPERIMENTATION

Shipper

alteo

CI5 Platform

Tracking

Container reference
OOLU2192403

Container / RoRo / Breakbulk number or CI5 ID or Booking / Shipping Order/ BL reference or Mrn

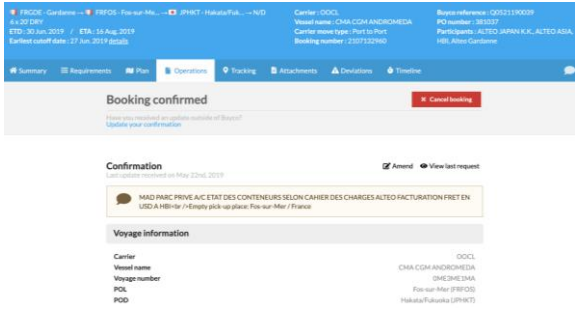
CI5

Port of call :	ETD :	RTD :	Cut-off date :	Vessel :	Precall number :	Terminal :	Operator :	Area :
Fos-sur-mer (FRFOS)	29/06/2019 20:00	29/06/2019 21:21	28/06/2019 20:00	CMA CGM ANDROMEDA	396504	D2EUROF	EUROFOS	Fos Sur Mer

Booking : 2107132960 (CDM364E) Quantity : 120	OOCL	Pre arrival notification	Discharge	Gate in	Shipping release	Forwarder release	Customs release	Final release	Gate Out	Load
						Pre-arrival notification	Dangerous	Transfer		Weighing
OOLU2192403	ECS AEO	08:37 21/06/2019		10:34 21/06/2019	10:44 21/06/2019	11:43 24/06/2019	11:43 24/06/2019	11:43 24/06/2019		11:19 29/06/2019

Item :

Buyco Platform



Mobile App

Dossier Booking Confirmation
2107132960

Final release booking 2107132960
6/25/2019

Vgm OOLU1565570
6/21/2019

Cargo OOLU1565570
6/21/2019

Container OOLU 156557 0 is seen at gate
6/21/2019

DOCUMENT image 3M6XDJLOZD5
6/21/2019
ERIC_ALTEO_2107132960_VGM_1561107176324.jpg

DOCUMENT image YEDWYXC1J6

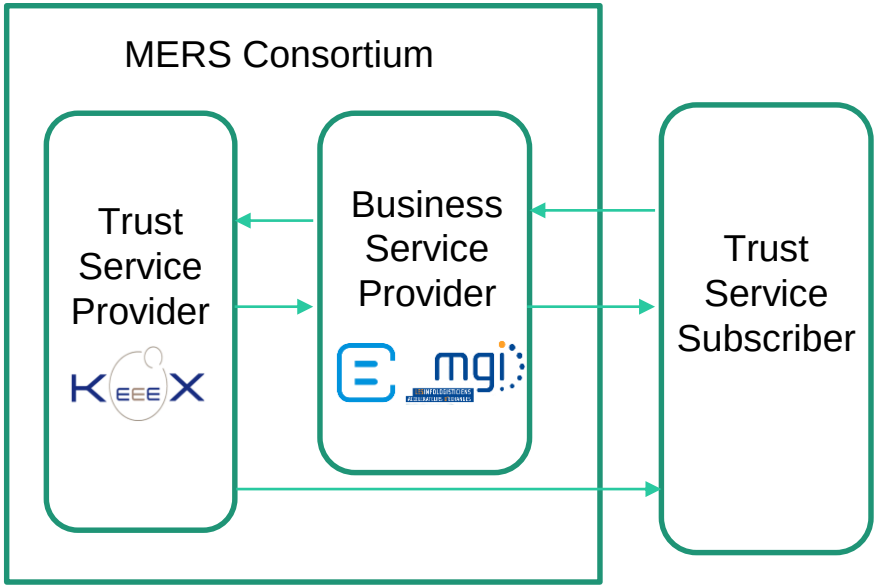
Booking 2107132960
6/20/2019

BUYCO

mgi LES INFOLOGISTICIENS ACCÉLÉRATEURS D'ÉCHANGES

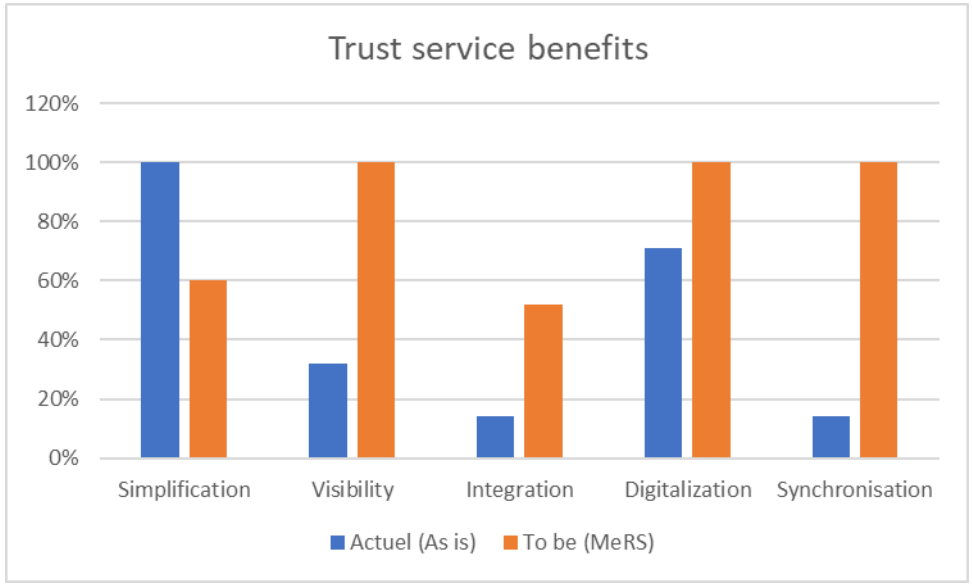
KEEX

Adaptability to Blockchain: CONSORTIUM



- **Trust service provider** is the organization who put at disposal the service to the other members of the consortium using Blockchain technology.
- **Business service provider** is an organization who provide treated data (certified by the Trsust Service Provider)
- **Trust service subscriber** is the customer of the quality service

Trust as a value creation engine



Ci5

Compliance Certificate

Cargo

Cargo ref.	**INBU3965048**		Type	**22G1**	Weight (kg) **10000**
Port of loading	**Fos-sur-mer (FRFOS)**				
Terminal	**2XLSY**		Terminal Manager	**SEAYARD**	
Verified	**5489**	Responsible		Date	**26/07/2019 09:53**

Call

Vessel	**DEVON**		Precall	**398851**	Voyage **398851**
ETA	**30/07/2019 11:00**		RTA	**30/07/2019 10:51**	
ETD	**31/07/2019 03:00**		RTD	**31/07/2019 03:56**	
First port of discharge	**Port De Pointe**		Port of destination	**Port De Pointe**	
Shipping line	**MSC**		Vessel agent	**MSC**	

Traders

Shipping agent	**MSC**	Booking	**018MR0584319**
Freight Forwarder	**TRANSCAUSSE**	Shipping order ref.	**710936/4**
Shipper	**TRANSCAUSSE**	Shipping order ref.	**710936/4**

Export movement

Gate-in	Shipping agent release	Forwarder release
26/07/2019 12:25	**25/07/2019 17:02**	**26/09/2019 15:39**
Customs Release	Final Release	Loading
26/09/2019 15:39	**26/09/2019 15:39**	**30/07/2019 22:33**

Dangerous ⚠

Harbour stay conditions	Shipping agent agreement	Vessel agent agreement
25/07/2019 22:22	**25/07/2019 17:05**	**25/07/2019 17:25**

Services

Supply chain optimisation

Collect, store and share information or documents for a better anticipation, visibility anf process integration between the supplychain members

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20+ Operations / containers

Document certification

To provide a print and reading rights to documents for the supply chain stakeholders having a control role.

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Goods Passport
CO2 Passport

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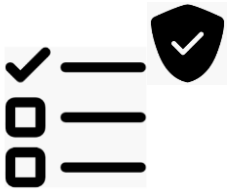
2 or 3 Operations



Certification Process

To guarantee the process integrity based on a set of consistent certified data.

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« Transparent » container

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10 Opérations

Thanks for your attention