The independent Pan-European platform for collaborative transport

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   - Steps to join

WHY DO WE NEED COLLABORATION IN TRANSPORT?

SOCIAL RESPONSIBILITY		ECONOMIC EFFICIENCY	
SUSTAINABILITY	**CONGESTION**	**SERVICE**	**COST**
		 HGV driver shortage is 'a ticking time bomb' for UK logistics sector, say MPs 13/01/2015 Add to favorites The problems of recruiting younger people into the haulage industry, as a way of solving the driver shortage crisis, was revealed by a new report released by a UK Parliamentary group yesterday. The all-party Parliamentary group for freight transport yesterday published Barriers to Youth Employment in the Freight Transport Sector, its final report before the country votes in a general election in May, after which the group could comprise different personnel.	
ROAD TRANSPORTATION HAS 4X MORE CO2 EMISSIONS THAN RAIL/BARGE	COST OF CONGESTION IN EU28 IS ESTIMATED @ 1% OF THE GDP OR €170 BILLION	420.000 TRUCK DRIVERS ARE NEEDED IN THE EU28 BY 2020	57% INEFFICIENCY OF WHICH 15% IS LOW HANGING FRUIT VIA COLLABORATION

COMPANIES WILL TAKE SOCIAL RESPONSIBILITY
IF SUPPORTED BY ECONOMICALLY EFFICIENT MEASURES

WHY IS THIS NOT HAPPENING?

CURRENT SITUATION

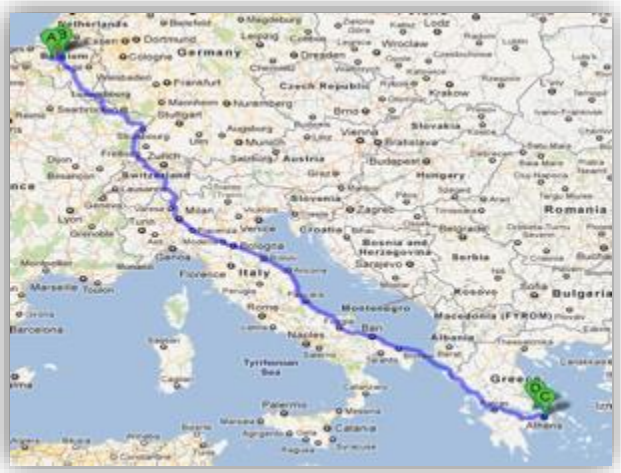
- Each actor is optimizing with a few usual suspects, resulting in limited volumes, limited insights, limited gains.
- We all act local with ad hoc measures.

CHALLENGE

- How to go from local actions to a global playing field?
- How to go from ad hoc measures to a holistic approach?

WE NEED TO SCALE COLLABORATION

OPTIMIZATION CASE: P&G and TUPPERWARE
VEHICLE 'FILL' COLLABORATION



Size of prize:

Savings > 10%

Save:

> 2M Tons CO_2

Vehicle Cube Fill improvement:

55% → 85%

by heavy & light mixing

Optimize Warehouse Productivity

Show Industry Leadership

HOW DO WE SCALE COLLABORATION?

VIA A DATA SHARING PLATFORM: CARGOSTREAM

SHIPPERS

INTERMODAL TERMINALS RAIL/BARGE/SHORTSEA OPERATORS

CargoStream Cloud

LOGISTIC SERVICE PROVIDERS

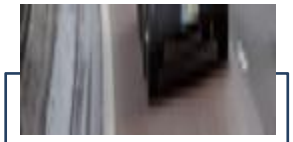
VALUE ADDED SERVICE PROVIDERS

NEUTRAL
M-M CONNECTED
CROSS NDA REGULATED
ANONYMIZED & AGGREGATED
DATA OWNERSHIP BY THE SOURCE

WHAT CAN WE ACHIEVE WITH CARGOSTREAM ?

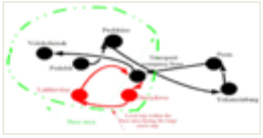
SHARED DATA PLATFORM

SINGLE MODE



VEHICLE FILL

ROUNDTRIPS



INTERMODALITY

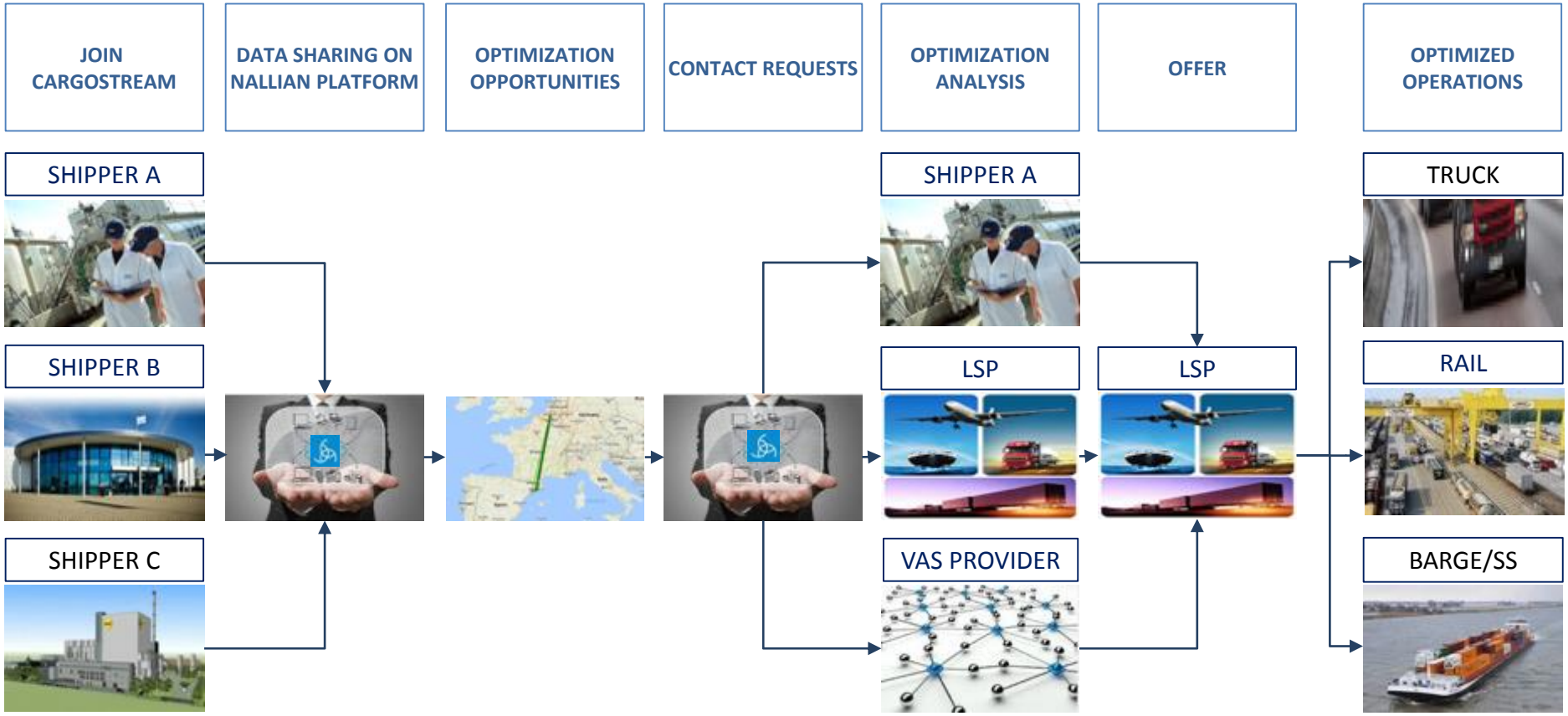
FILLING

FREQUENCY

NEW LANE

BY JOINING ONE CARGOSTREAM COMMUNITY,
YOU ACCESS A WIDE RANGE OF OPTIMIZATION POSSIBILITIES

WHAT IS A TYPICAL BUSINESS FLOW?



EXAMPLE OF OPTIMIZATION OPPORTUNITIES

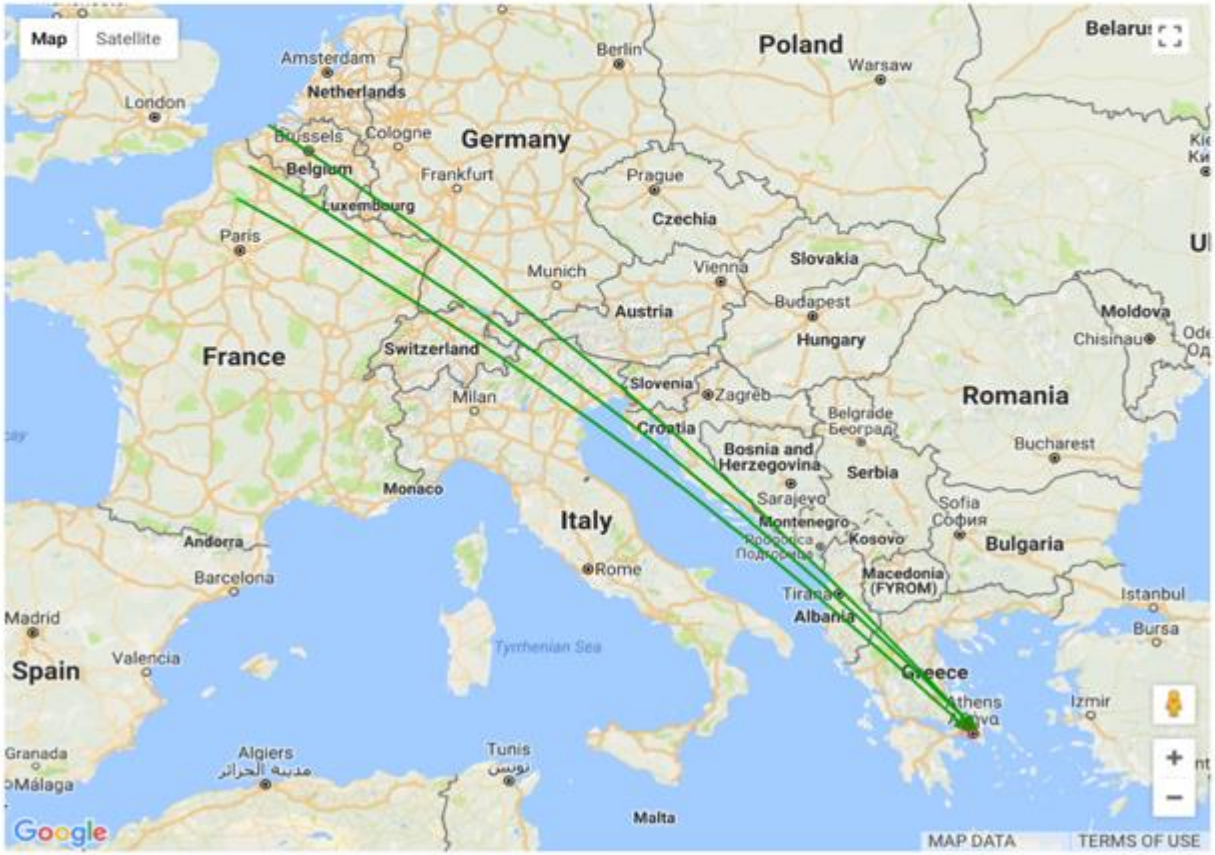
OPTIMIZATION OPPORTUNITIES

Opportunity 150

BACK TO OVERVIEW

BUNDLING:

Lane number	Shipper	FROM			TO			Lane distance (km)	Weight (TNE)
		City	Postal code	Country	City	Postal code	Country		
21173	S16			FR			GR	2141	6 704.29
15736	S0219			BE			GR	2180	581.22
18622	S0219			FR			GR	2165	562.39



EXAMPLE OF IMBALANCED LANES OPPORTUNITIES

OPTIMIZATION OPPORTUNITIES

CargoStream Workbench DASHBOARD OPPORTUNITIES

From ctry BE zips city → to ctry SE zips city

Between	And	Direction	Shipper	# movements	# 20TNE	Volume
BE / /	SE / /		Combined	950	565.10	
		TO	S02	17	13.82	
		TO	S0219	262	180.90	
		TO	S04	364	77.71	3,639.53
		TO	S05	46	40.33	
		TO	S16	261	252.34	14,969.95

CargoStream Workbench DASHBOARD OPPORTUNITIES

From ctry FR zips 59,62,02,08,55,54,57,67,68,i city → to ctry CZ zips

Between	And	Direction	Shipper	# movements	# 20TNE	Volume
FR / 59,62,02,08,55,54,57,67,68,88,54,51,62,80,76,60,77,10,52 /	CZ / /		Combined	2064	1,494.47	
		TO	S0219	379	258.72	
		TO	S16	624	526.83	33,376.59
		TO	S18	175	102.12	10,321.00
		FROM	S0219	98	64.59	
		FROM	S16	23	13.01	925.30
		FROM	S18	765	529.21	50,007.66

CargoStream Workbench DASHBOARD OPPORTUNITIES

From ctry FR zips 59,62,02,08,55,54,57,67,68,i city → to ctry DE zips 01,02,03,04,09,08,07,06,14, city

Between	And	Direction	Shipper	# movements	# 20TNE	Volume
FR / 59,62,02,08,55,54,57,67,68,88,54,51,62,80,76,60,77,10,52 /	DE / 01,02,03,04,09,08,07,06,14,12,15 /		Combined	333	322.47	
		TO	S0219	8	4.58	
		TO	S05	5	5.59	
		TO	S16	208	207.11	11,001.47
		TO	S18	26	11.73	1,545.98
		FROM	S05	2	0.67	
		FROM	S0803	25	25.80	
		FROM	S18	59	66.99	1,130.39

JOIN!

JOIN CARGOSTREAM AS A SHIPPER.

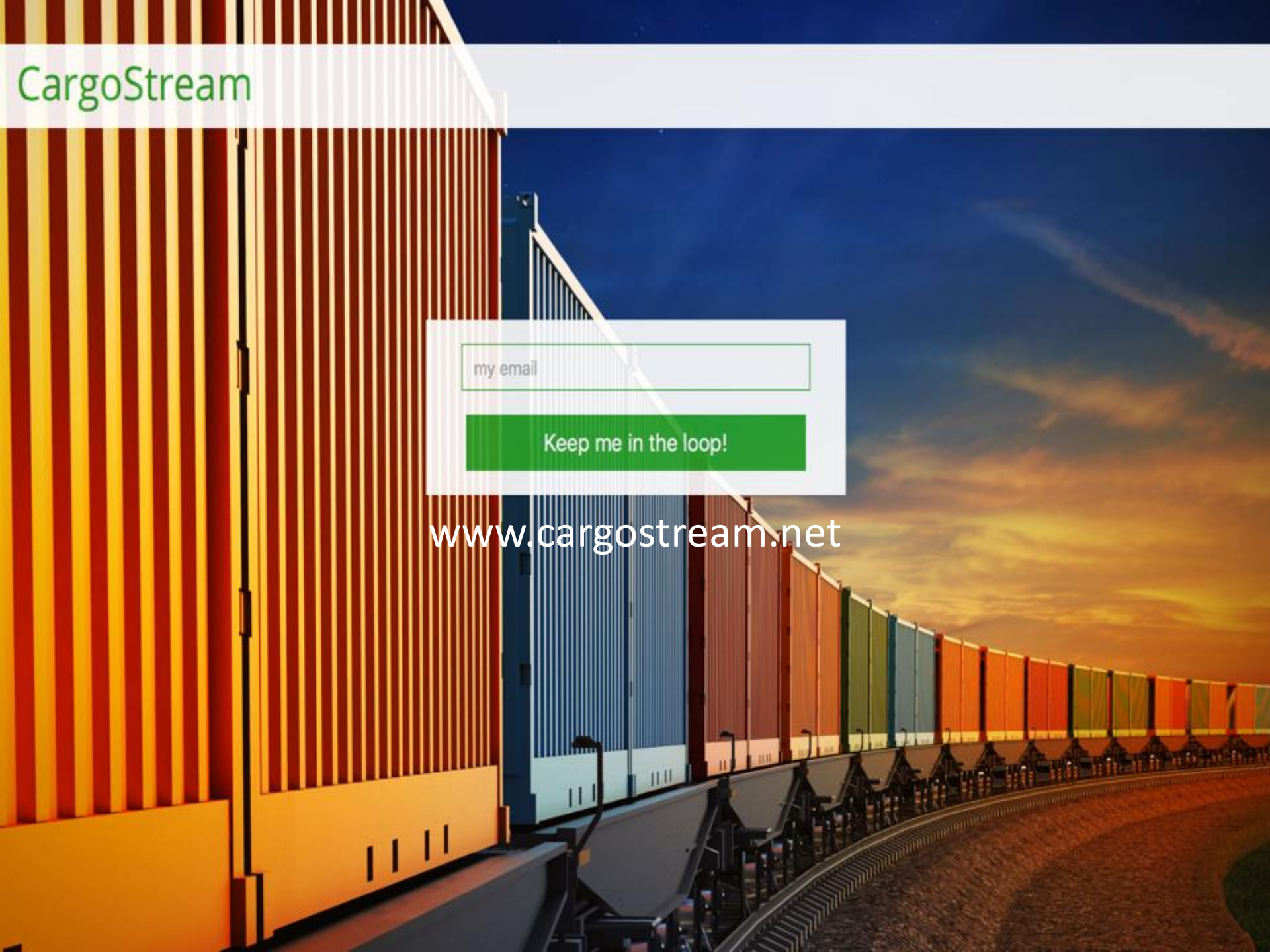
JOIN CARGOSTREAM AS A TERMINAL/OPERATOR.

JOIN CARGOSTREAM AS A LOGISTIC SERVICE PROVIDER.

JOIN CARGOSTREAM AS A VALUE ADDED SERVICE PROVIDER.

JOIN NOW!

WELCOME ON BOARD OF THIS OPEN NETWORK


CargoStream
my email
Keep me in the loop!
www.cargostream.net

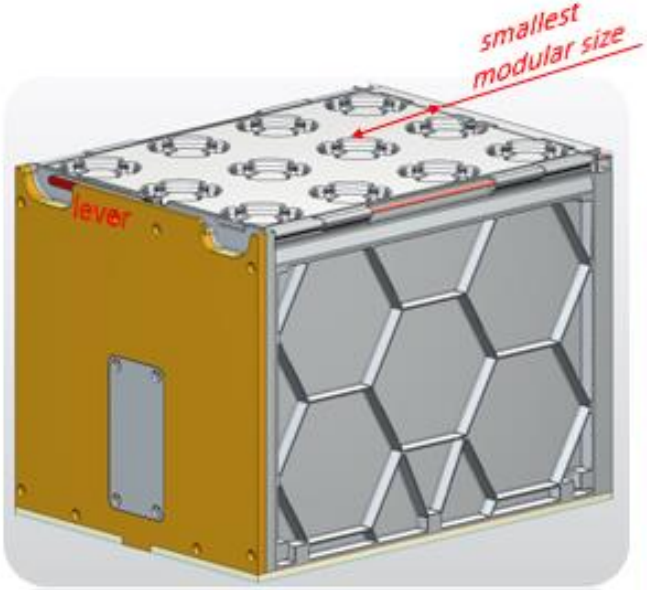
OTHER INITIATIVES - TRANSFORMERS

OTHER INITIATIVES - MODULUSHCA

Build interconnection with modular boxes

the prototype box presented

Unibody design



M-Box functions	fulfilled now	fulfilled at 2nd gener.
fold unit	x	x
encapsulate product	✓	✓
carry product	✓	✓
Fold doors/sides	x	x
combine units	✓	✓
stack units	✓	✓
Distinguish boxes	x	✓
Open/close box	✓	✓
include a passive track & trace system	x	x
Identify contents	x	✓
Handle units	x	✓
withstand normal usage	✓	✓
Secure box	x	✓

KPI - M-box (new prototype design)	
Outer dimensions [in mm]	300x400x300
Inner dimensions [in mm]	270x360x275
Volume usage	74.25%
Weight	4.5kg

MODULUSHCA
Modular Logistics Units in Shared Co modal Networks

Clusters 2.0

Questions ?

www.clusters20.eu
info@clusters20.eu

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