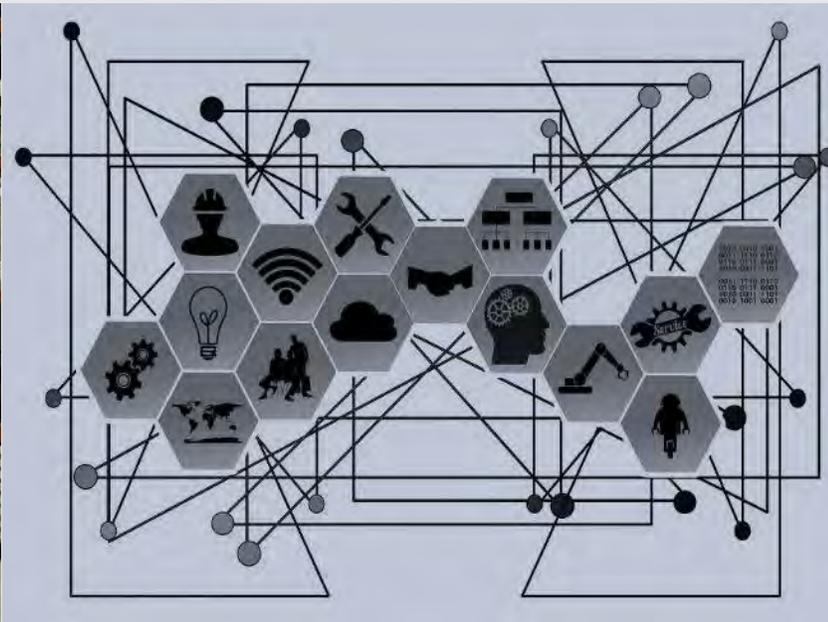


SILBARCELONA
expo & congress
5-7 Junio 2018 //B2B

RETOS TECNOLÓGICOS & DIGITALIZACIÓN DE LA SUPPLY CHAIN

INSTRUMENTOS DE COMPETITIVIDAD Y SOSTENIBILIDAD DEL SECTOR DEL TRANSPORTE MULTIMODAL DE MERCANCÍA
Y EL TRANSPORTE MARÍTIMO DE CORTA DISTANCIA



Accelerate the environmental, social and energy transition of businesses



Helping logistics actors such as...



- Sustainable vision and strategy
- Responsible products and consumption
- Management of stakeholder relations
- Energy strategy and environmental performance
- Financing the transition and asset management
- Transport & Logistics

Digitalization creates new sectoral pressures

E-commerce is booming
& customers expectations are evolving

+120%

in
« same day shipping » Google requests since 2015

Nothing can stop the shift to online shopping

Wolf Richter 20 Nov 2017, 23:00 5,804

BUSINESS INSIDER FRANCE

NOV 20, 2017 @ 06:25 AM 4,590

The Little Black Book of Billionaire Secrets

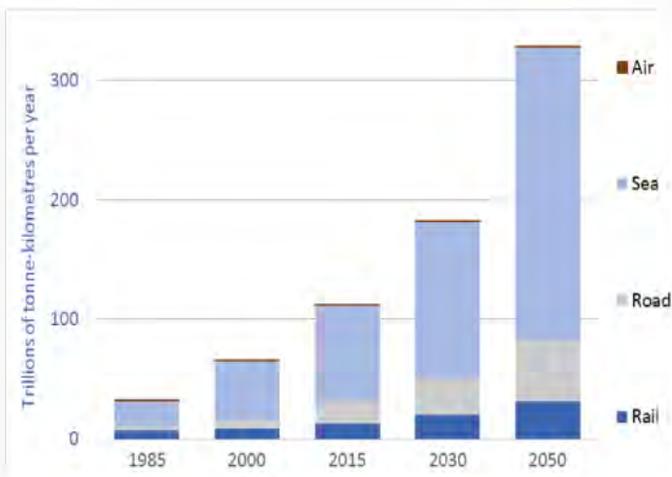
Impatience Is A Virtue: How The On-Demand Economy Is Making Mobile Consumers Impatient

Forbes

New players and new business models
has hastened the sectoral pace



An exponential growth of the international freight



300

trillions

tonne-kilometres
in

2050

Global freight transport, all modes, trillions of tonne-kilometres, 1985 to 2050
OECD



6 challenges for the logistics sector

- ✓ AGILITY
- ✓ FLEXIBILITY
- ✓ PERSONALIZATION
- ✓ SERVICE INNOVATION
- ✓ ANTICIPATION & PREDICTION
- ✓ SUPPLY CHAIN OPTIMIZATION

INTERNET OF THING



IoT - DECEMBER 25, 2017

How IoT Is Disrupting Logistics

TRANSPORTATION & DISTRIBUTION

The Future of Logistics Rests on the Shoulders of the Internet of Things

that will impact in our daily

To derive value from... identify areas where devices can sense, monitor and... functions to improve response times and drive... without human intervention.



CONNECTED DEVICES



CLOUD COMPUTING

To Get Smart, Ports Go Digital

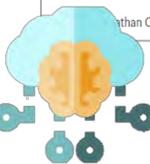


BLOCKCHAIN

Scandinavian Start-Up To Track World's Shipping Containers Through Blockchain

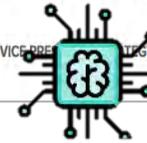


ARTIFICIAL INTELLIGENCE



AI IN SUPPLY CHAIN AND LOGISTICS: How AI will reshape the logistics and transportation industry

MACHINE LEARNING



DHL: How 3D printing is disrupting the logistics industry

By MATTHIAS HEUTGER, SENIOR VICE PRESIDENT OF TECHNOLOGY, MARKETING AND II 2017, 8:20AM



Robotics & Automation

Will this innovation area disrupt the industry?



DRONE DELIVERY

Amazon and UPS are betting big on drone delivery



- Drone deliveries could be faster and cheaper than existing logistics methods.
- Companies like Amazon and UPS are investing big in developing the robots to make deliveries.

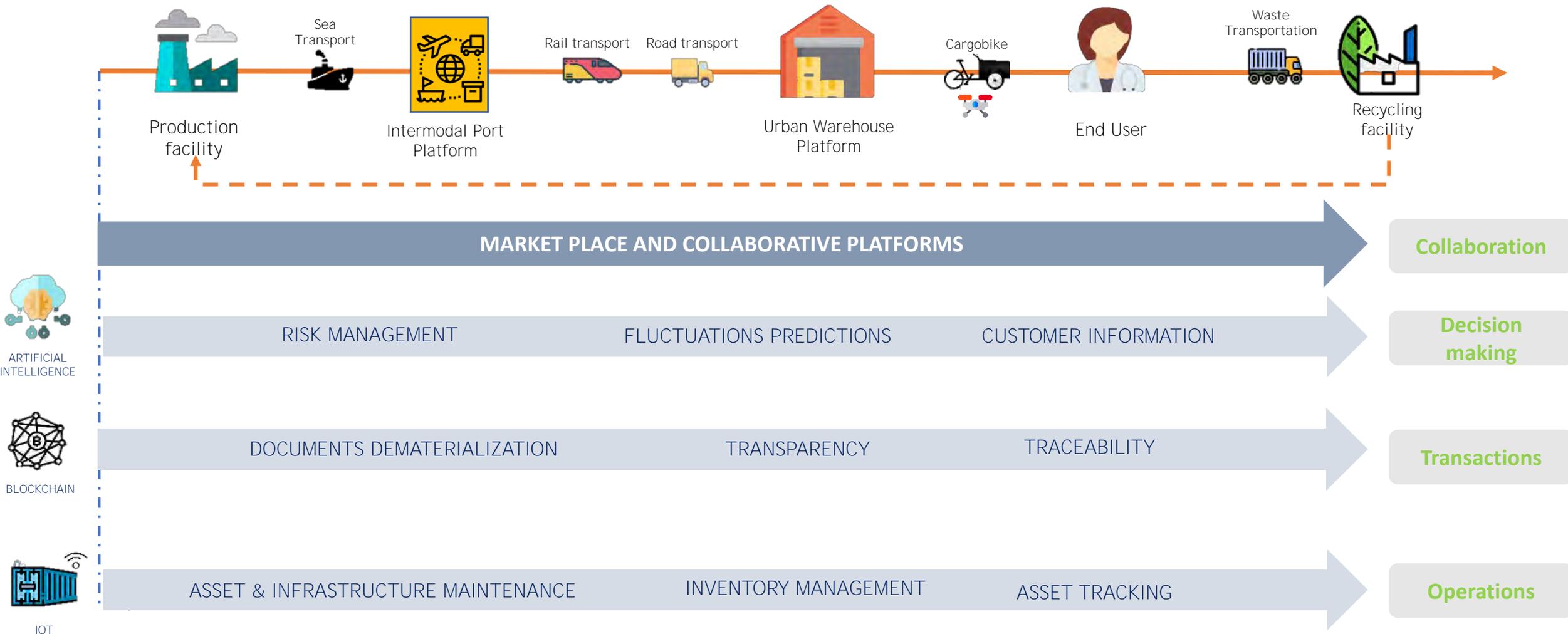


SELF-DRIVEN VEHICLES



Those are only tools !

Digital innovation with a purpose : creating integrated systems to foster intermodality



Global sustainability challenges of TODAY

500 000

Tons of oil dumped in the Mediterranean Sea each year

U.E.



1,7 Earth

The amount of resources that we need to meet the global **population's** demand

WWF



- 75%

of the total flying insect biomass disappeared in Germany in 30 years

WWF



- 34%

Diminution of the fish population in the Mediterranean Sea since 50 years

WWF



8 millions

Tons of plastics is released in the Nature each year

United Nations



24%

Contributions from shipping to ambient NO2 levels in the European coastal areas

Atmospheric Environment

65 cm

Estimated Rise of the sea level by 2100, enough to have a significant impact on coastal cities

United Nations



6 Millions

Of hectares of productive lands disappear each year globally

United Nations



50 years

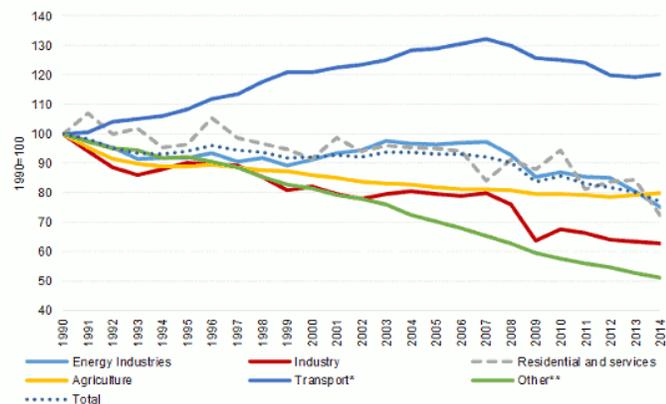
Global availability for most of the resources (lithium, zinc, nickel and sand...)

Yale University



The logistics sector has an environmental and societal responsibility

GHG emissions by sector - European Union (1990 - 2014)



Transport & Logistic
=
1/4
of the EU
GHG emissions

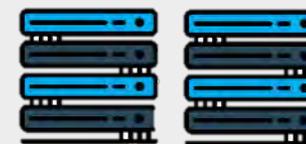
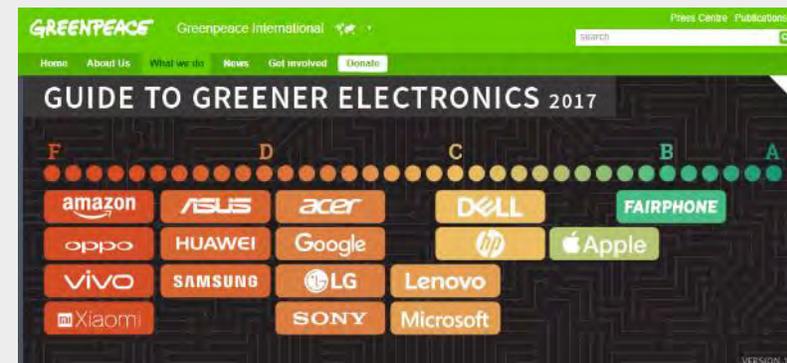
European Union

Digitalization has also an environmental and societal impact



" If the cloud was a country, It would be classified in **the fifth** world rank in term of demand in electricity, and its needs should be multiplied by **three** by 2020 "

Greenpeace



2% Of the global GHG emissions

Data centers in the World have the same carbon footprint than the airline industry

GESI



250%

Estimated rise of the Greenhouse gas emissions caused by shipping for 2025

Transport & Environment



50,000

premature deaths per year in Europe caused by the air pollution generated by international sea shipping

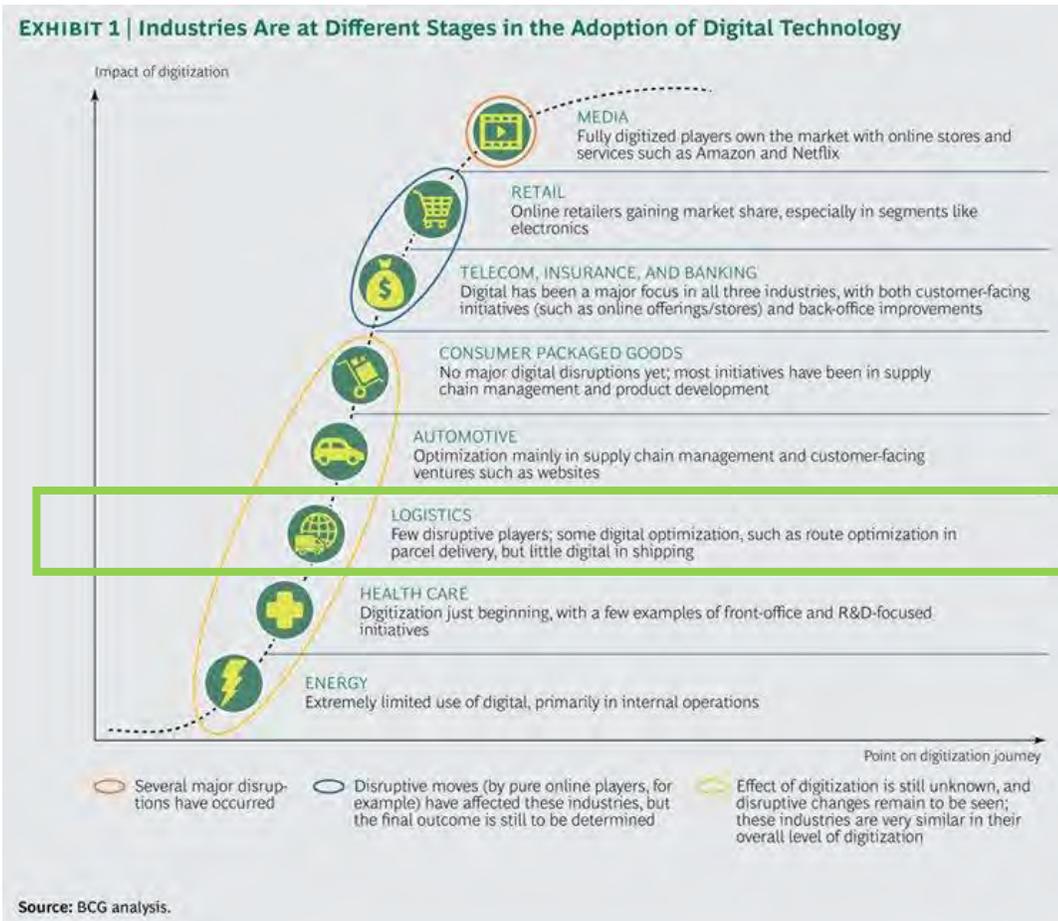
Transport & Environment

- 1 - Manage change towards green digitalization
- 2 - Create digitally-enabled responsible logistics platforms
- 3 - Put people at the center of the digitalization process

1 - Managing change towards green digitalization

Industries are at different stages of digitalization

Companies ready for change ? Maturity overview



Physical Organization	IT Organization
✓ Company culture and HR organization	✓ Tools & IT equipment
✓ Processes	✓ Data management
✓ Existing infrastructures	✓ IT Infrastructures

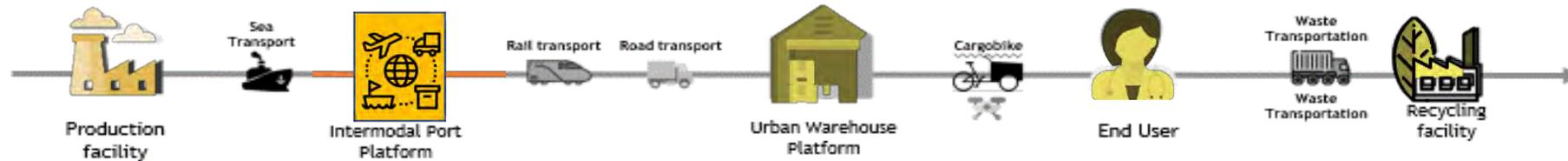
10%

of logistics companies are considered ready to initiate their digital transformation

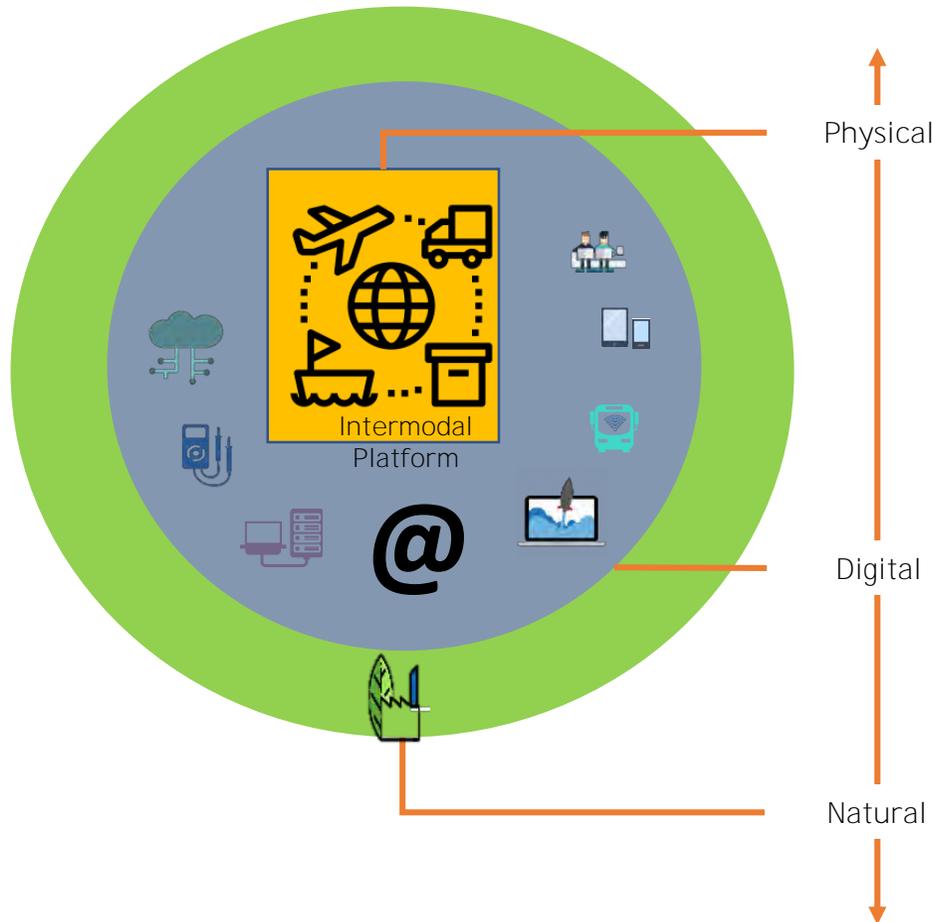


Lack of digital culture and training are the biggest challenges facing transportation and logistics companies

2 - Create digitally-enabled responsible logistics platforms



HUB 360
by GF
=
CLICK & MORTAR
SUSTAINABLE
LOGISTICS
PLATFORMS



La Chapelle International : Example of an urban and intermodal platform that needs to go digital



A 45 000m2 Intermodal Logistics Platform



7000m2 dedicated to the biodiversity



3000m2 of Data Centers

LVMH : Optimized energy consumption in a state-of-the-art logistics automation facility in Singapore



LVMH

3 - People at the center of the digitalization process



MARKET PLACES AND COLLABORATIVE PLATFORMS



ONTRUCK



OPENSEA.PRO



GIZTIX



QUESTIONS



Candice Lizé
Logistic & Transport Project Manager
Mob : +33 (0)6 71 68 64 22
clize@greenflex.com



David GAU
Transport & Logistique Director
Mob : +33 (0)6 84 35 05 57
david.gau@greenflex.com