

Eelco Dijkstra





Laurent Foetisch





UPS has delivered our first COVID-19 vaccines to destinations across the U.S. and Canada.

_ see more







More than 800,000 doses of COVID vaccine from Pfizer / Biontech are transported through the DHI, Express Hub in Brussels to UK. The logistical effort is enormous: the vaccine has to be cooled to -70 degrees. A smooth process in transportation is crucial - DHI, fully supports this. Connecting people, improving lives.

Elifescience Adhl



Corona-Impfotoff: Flughafen Brüssel bereitet Lieferung nach Großbritannien vor - DER SPIEGEL -___









Global Supply Chain Challenges

Nothing in recent times has been more disruptive than COVID-19



December January February March April May June



Production lag biggest challenge



45%

Percentage of the population say NO

Source: Europhia Consulting global survey conducted in August 2020

68%

Percentage of the population say it depends...

Source: Europhia Consulting global survey conducted in August 2020





The public is concerned about public safety aspects

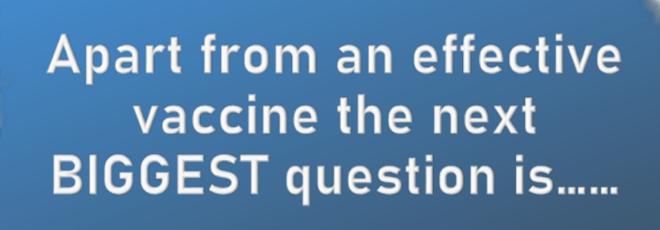
will it work?

side effects?

Governments play an important role in ensuring public confidence in immunisation programs



Scientific data



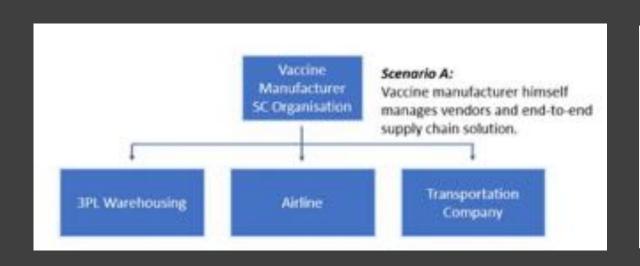


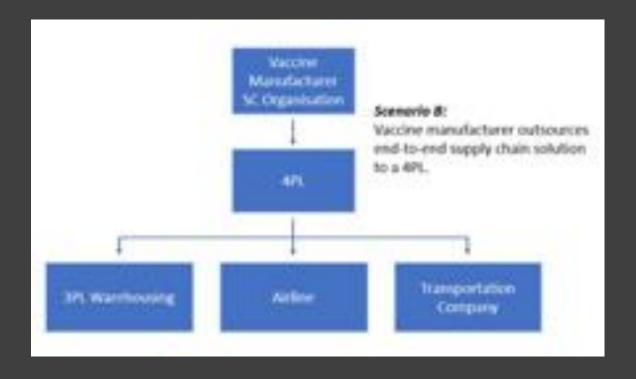
whether the Supply Chain is ready to handle the biggest logistics challenge ever?



Collaboration

between manufacturers, government and logistics companies will be the best way to go.





Manufacturers need to involve more supply chain expertise into their distribution design



End-to-end temperature controlled supply chain

2-8° C

-20° C

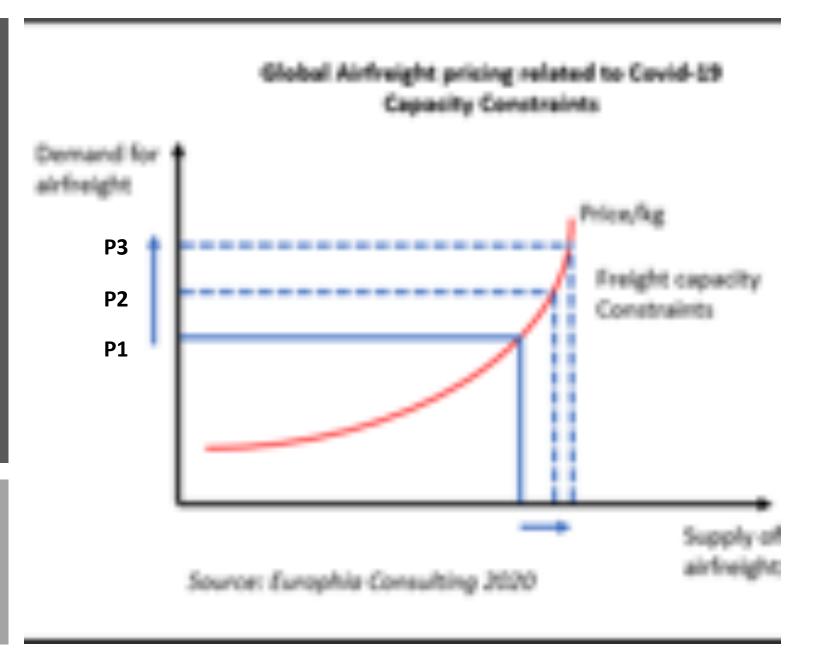
up to -70° C

Thousands of freighters required to meet global demand



Global Airfreight Capacity

Impact on airfreight pricing



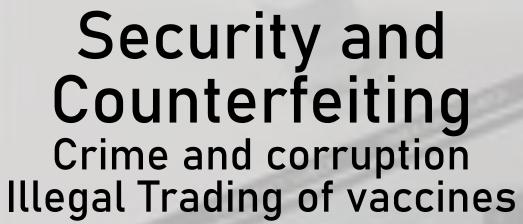


Not enough Pharma Cold storage space





Product Safety and Integrity Serialization and barcoding





First came news of a vaccine. Now come the scams.

By Giulia Heyward and AJ Willingham, CNN

Updated 3 hours ago Dec 16, 2020

Never has the Supply chain been so relevant!





Vaccine Distribution Solutions

The logistics industry is so much more than just the top 5 logistics companies

Logistics companies such as DHL, UPS, Fedex, KN

Packaging providers of passive and active cold chain boxes and containers

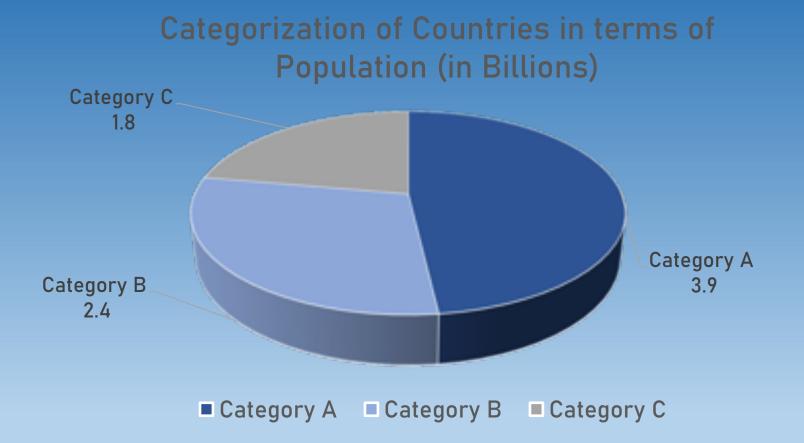
Airports and
Airlines
specialised in
pharma such as
Emirates, KLMFrance, Cargolux,
Lufthansa

Local heroes with incredible storage and transportation assets

Consultant experts in supply chain and distribution

Validation, quality and system solutions





Category	Countries
Category A	United States, China, India, Russia, Brazil, EU27
Category B	Mid-size countries such as Indonesia, Japan, LATAM ex Brazil, Nigeria, Saudi
	Arabia, Iran, Turkey, Egypt and others
Category C	Smaller countries with a pop up to 50 Million per country



Emerging markets have limited Pharma logistics capabilities





Strategy:

- Ship direct into emerging markets
- Deploy replenishment models through Regional Distribution Hubs





1. Strategy

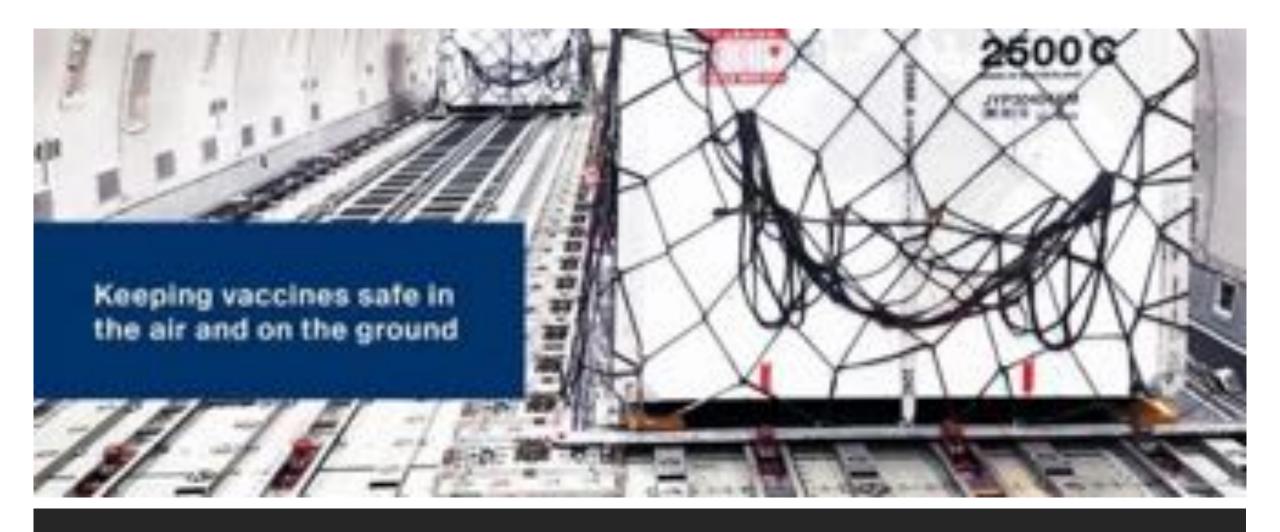
Ensure you work with the best expertise and logistics service providers

2. Design and Test

Ensure end to end GDP compliant and temperature controlled solutions for storage and distribution

Smart Packaging solutions to protect vaccines which are also (cost)effective for transport





The industry is in need of better, smarter and more cost effective actively cooled containers.

Fast-track processing time through arrival airports and giving temporary air traffic rights

Build Strong Supply Chain Teams

Logistics companies, airlines, governments and private consultants working together to bundle logistics expertise, management, contracts and compliance to regional and local regulations



- GDP compliance throughout solution
- Quality Management Systems
- Trained staff