



Making the world operate 'as one'

One cargo community at a time

Air Cargo Digitalization in Response to *(or rather Anticipation of)* COVID-19

Alex Driesen, Nallian

2020/09 for ICAO and TIACA

An aerial, black and white photograph of an airport runway. The runway is the central focus, stretching from the bottom towards the horizon. It has white dashed lines and a series of white arrows pointing forward. To the left of the runway, there's a taxiway and a small aircraft. In the background, a city skyline is visible under a cloudy sky. The overall scene is industrial and urban.

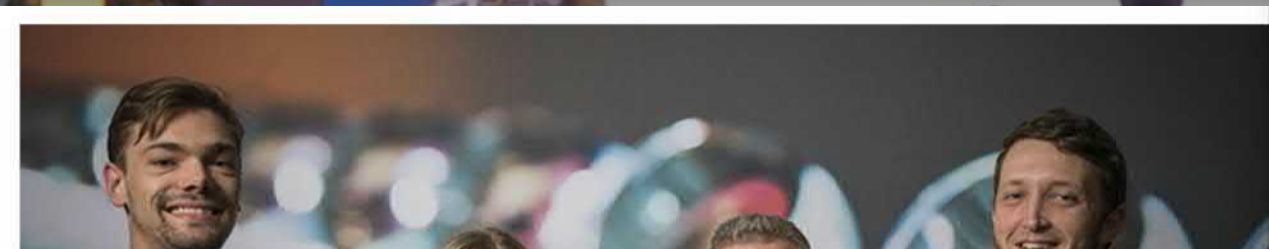
“How airports around the globe are digitizing their cargo communities to make cargo future proof.”

Brussels Airport kneusje van Europa

24 juli 2010 06:01

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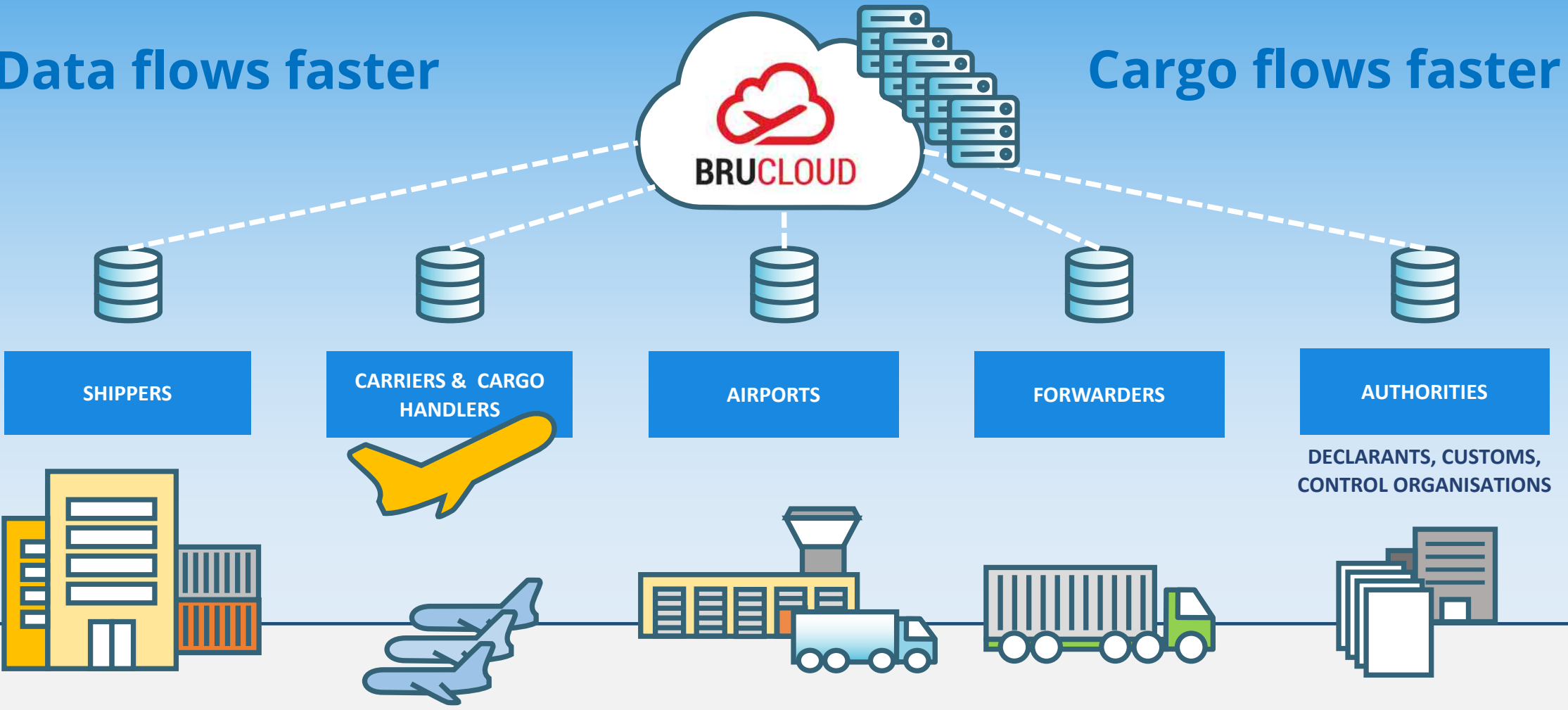




At Brussels Airport, the **BRUcloud** community knows about **more** things **faster**, and operates **as one**.

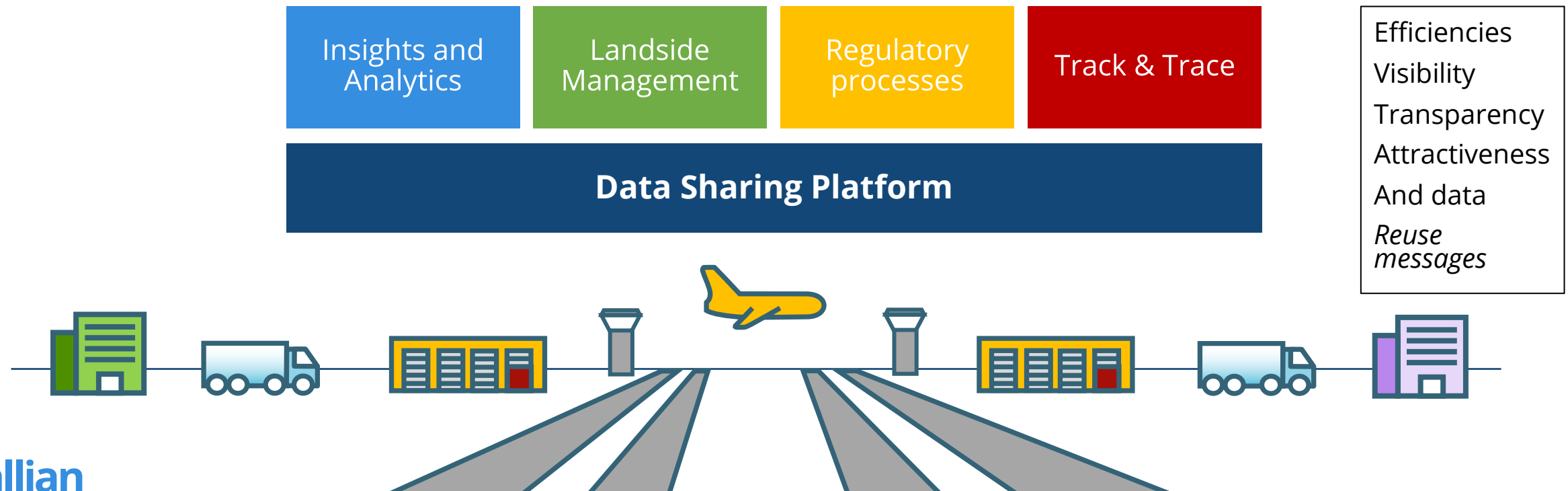
Data flows faster

Cargo flows faster



Beyond CCS: Airport Cargo Performance Cloud

Cloud based **data sharing platform** and set of **collaborative apps**,
synchronize X-company processes around a **single truth**.
Helps fragmented airport cargo communities to **operate as one**.



Economic results are clear – for all

“The way we see it, this cloud technology is as important as another 20,000 square foot facility because it just improves the speed in which the cargo [moves].” (Steven Verhasselt, LGG)

Using Nallian's Slot Booking application we have reduced waiting times significantly, on average 30 to 60 minutes per pick-up or delivery, going to several hours during peak times.

David Bellon
Airfreight Product Station Director
DHL Global Forwarding

Using the Statistics App helps us to make better decisions on where to invest our marketing budget.

Steven Polmans
Head of Cargo & Logistics
Brussels Airport Company

With the Slot Booking application we can better plan our resources and handle freight more efficiently. This gave us an **immediate efficiency increase of 5-10%**, with opportunity for further improvement.

Marc Claesen
Regional Vice President
WFS

**From 90
to 5 days**

At Brussels Airport **VAT recovery time** has dropped dramatically using the Customs Export app

Prior to using the Slot Booking app, the handling of a truck (paperwork + warehouse operations) would take on average 3 hours. Today this is done in only 2 hours.

Impact across the entire value chain



Form a local community to a global movement



SHIPPERS

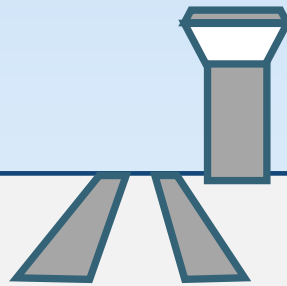
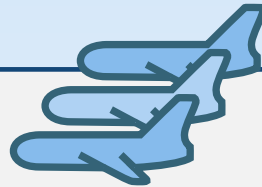
CARRIERS & GROUND HANDLERS

AIRPORTS

FORWARDERS

AUTHORITIES

AGENTS, CUSTOMS, CONTROL ORGANISATIONS



Covid-19 – risk and opportunity

Delivering COVID-19 vaccines safely will be the 'mission of the century' for air cargo industry

By Rachel Arthur [✉](#)

11-Sep-2020 · Last updated on 11-Sep-2020 at 10:46 GMT



Pic: getty/IamAnupong

RELATED TAGS: [distribution](#), [Vaccines](#), [COVID-19 vaccine](#)

Transporting a COVID-19 vaccine to 7.8 billion people around the world would fill 8,000 jumbo jets – illustrating the enormity of the distribution challenge. The International Air Transport Association (IATA) warns of potential capacity constraints, saying planning must begin now.

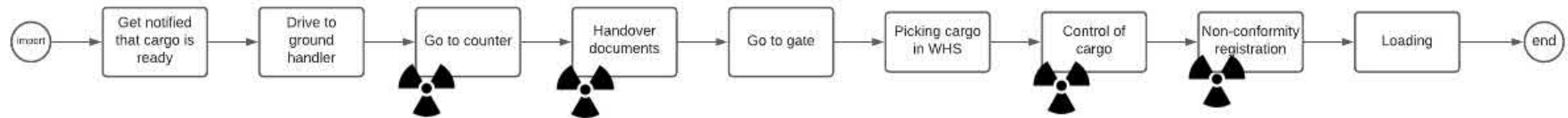
“Maximise capacity utilization” +
“Ensure Safety”

- Need hyper-integrated operations across fragmented chain

Covid-19 – risk and opportunity

Risks in the Air Cargo Landside Process

- Process steps where it is hard to keep social distancing: we physically need to hand over things and sign off the same documents
- Process steps where we see many people in small (closed) area: crowded counters, poor ventilation



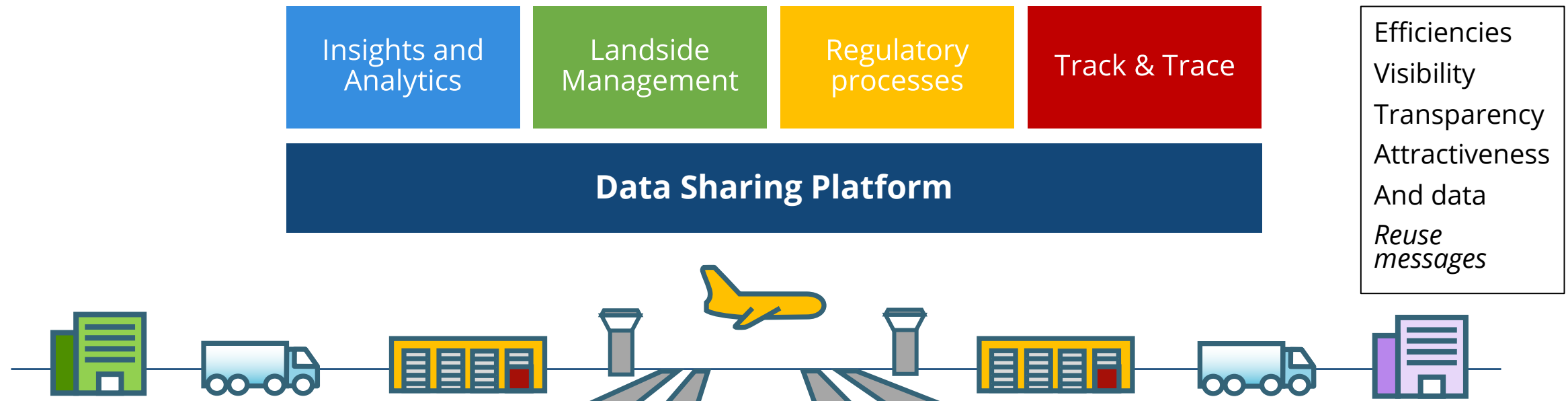
Using digitisation to orchestrate the processes around such risk areas

- Example:
 - Smoothen peaks
 - “Steer” drivers to enter one by one
 - Electronic signature instead of both on the same paper
 - ...
 -

If on the fly also avoid paper – great, but that’s not the prime issue

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+Max Capacity Utilisation + Resilience against current and future shocks





Logistics chain - even if well organized - is a relay.
A virtually integrated team, operating 'as one',
can outcompete any single player.



making the world operate as one

Alex Driesen
alex.driesen@nallian.com
+32478401404

 <https://twitter.com/NallianInc>  <https://www.facebook.com/nallian/>  <https://www.linkedin.com/company/nallian>

It's a mental thing

Needs technical trust AND social trust

Lots of leadership in community & trust building

