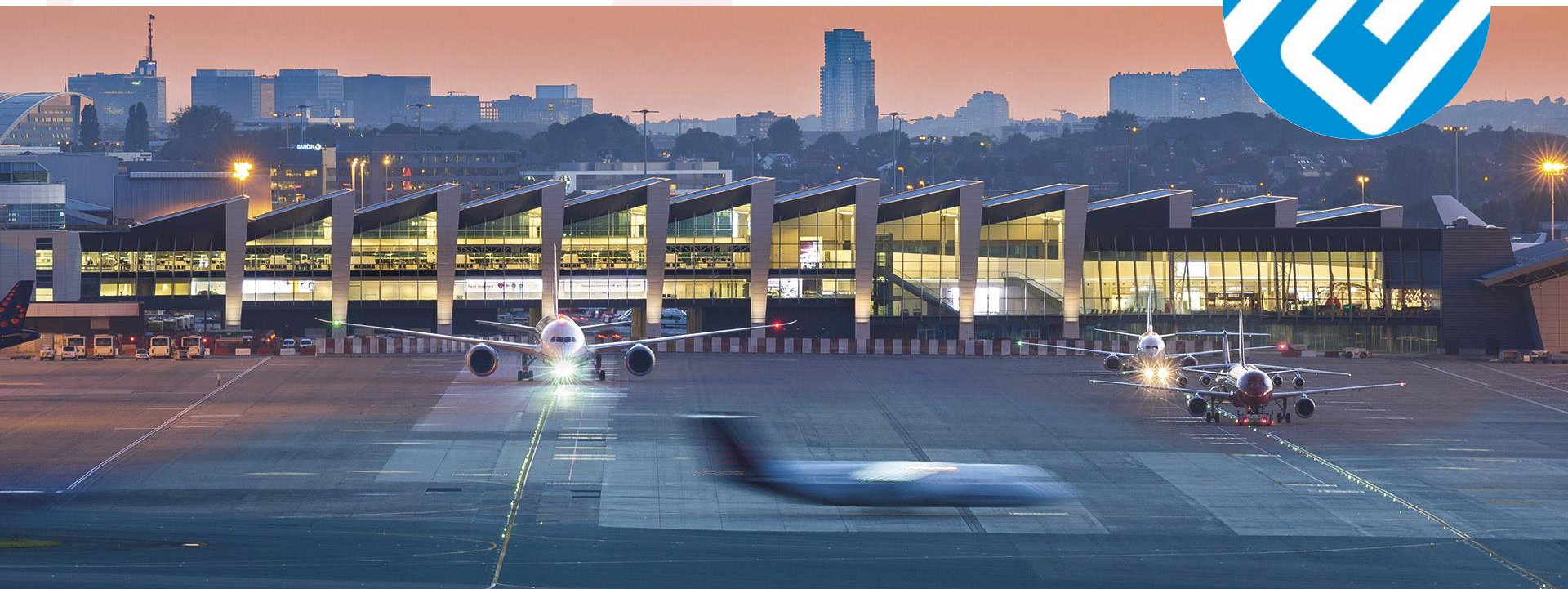




GCCA - 22nd European Cold Chain Conference

Sara Van Gelder & Sam Quintelier
Brussels Airport – March 22, 2019



An aerial photograph of Brussels Airport, showing the terminal building, taxiway, and runway. The runway is marked with 'ZSR' and has white arrows indicating direction. The surrounding area includes green fields and a city skyline in the distance. A semi-transparent red rectangle is overlaid on the left side of the image, containing white text.

An airport in the
heart of europe

206

direct destinations

85

countries

18

cargo airlines

48

direct cargo
connections

67

passenger
airlines

120








direct connections Europe



A PRIME
CARGO & LOGISTICS HUB

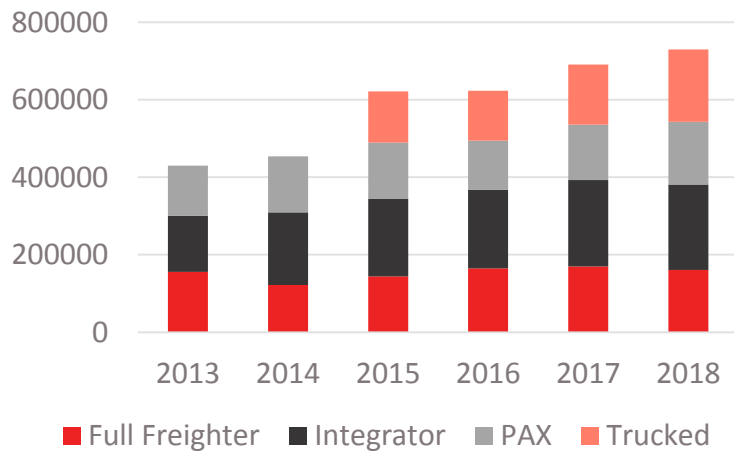
TOP LOGISTICS HUB IN THE HEART OF EUROPE

The World Bank Logistics Performance Indicator - 2018

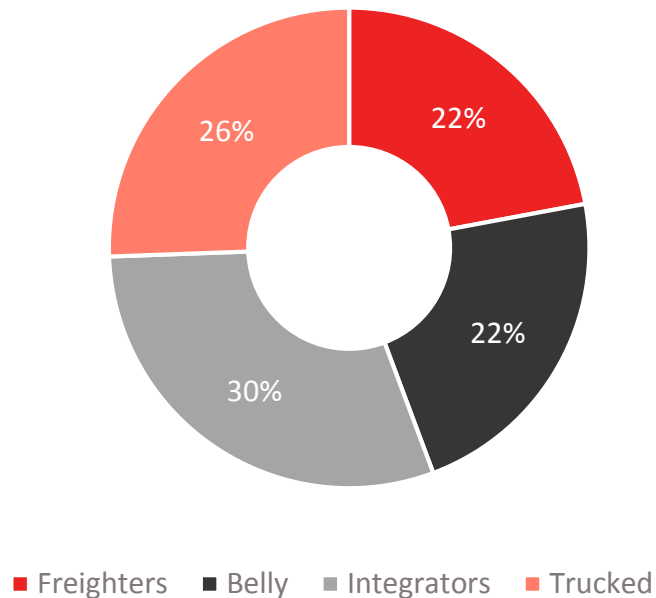
		LPI Rank	LPI Score	Customs	Infrastructure	International Shipments	Logistics Competence	Track & Tracing	Timeliness
Germany		1	4.20	4.09	4.37	3.86	4.31	4.24	4.39
Sweden		2	4.05	4.05	4.24	3.92	3.98	3.88	4.28
Belgium		3	4.04	3.66	3.98	3.99	4.13	4.05	4.41
Austria		4	4.03	3.71	4.18	3.88	4.08	4.09	4.25
Japan		5	4.03	3.99	4.25	3.59	4.09	4.05	4.25
Netherlands		6	4.02	3.92	4.21	3.68	4.09	4.02	4.25
Singapore		7	4.00	3.89	4.06	3.58	4.10	4.08	4.32

FACTS

TOTAL CARGO VOLUMES IN TONNES / 2013-2018



Total Cargo volumes 2018





3

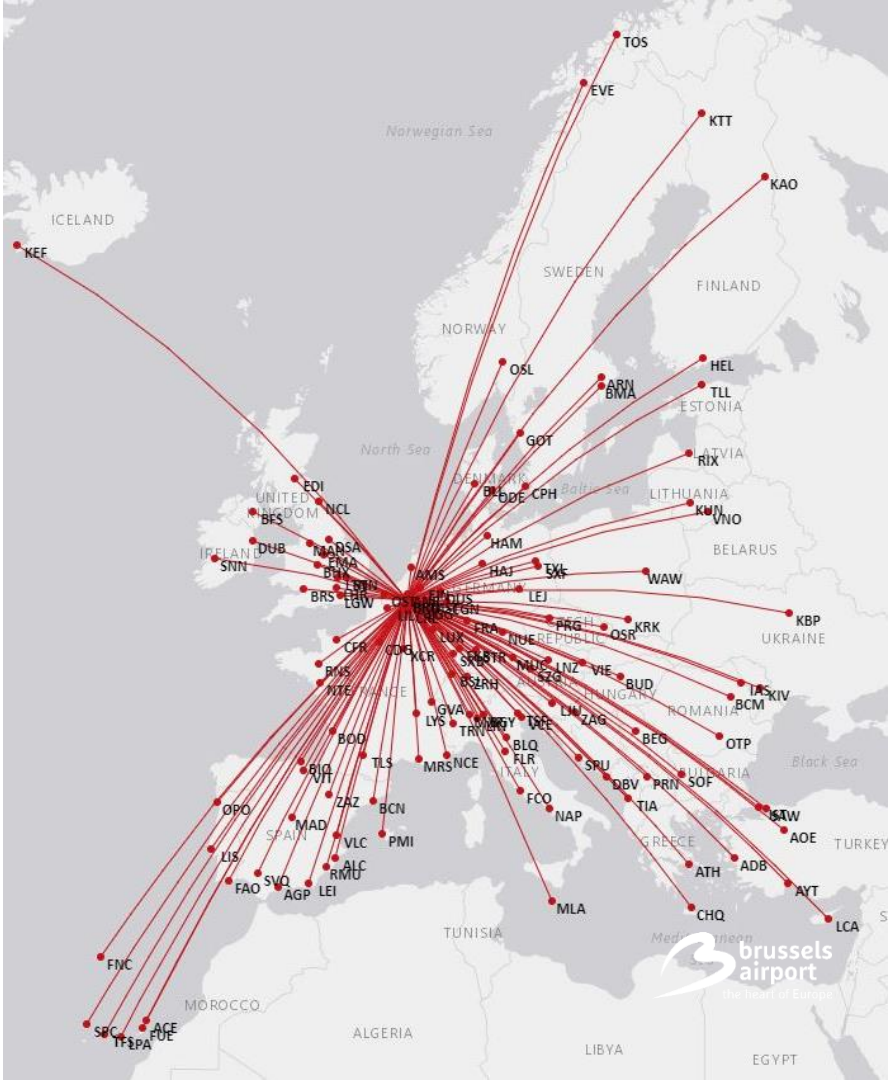
CONNECTED TO THE WORLD

LONG HAUL NETWORK 2019



SHORT HAUL NETWORK 2019

- 120 Direct European Flights
- 35 European countries



LAST MILE DISTRIBUTION

Average trucking times out of BRU

- One Belt One Road connectivity
- Efficient transit connections
- Short trucking times to > 100 other European cities
- Very competitive cost of operation



SCHEDULED FREIGHTER AND WIDE BODY OPERATORS

Full freighter operators:



Wide body pax operators



BRUCARGO: THE CARGO & LOGISTICS COMMUNITY



LAST MILE DISTRIBUTION



PRODUCT FOCUS



E-COMMERCE



EXPRESS



GENERAL CARGO



LIVE ANIMALS



OUTSIZED CARGO



PERISHABLES



VALUABLES



PHARMACEUTICALS

FOCUS ON LIVE ANIMALS

THE ANIMAL INSPECTION & CARE CENTER

- Designed for the well-being of animals travelling by air
- 1600 m² floorspace
- Opening expected Q2 2019



FOCUS ON PERISHABLES

PERISHABLE GATEWAY TO EUROPE

- Key for our home carriers with focus on Africa → return is **Fresh**
- Africa and South America are emerging exports markets → return is **Fresh**
- **+50.000 T of Fresh handled at Brussels Airport (2018)**



FOCUS ON PHARMA

AIRSIDE PHARMA TRANSPORTER

Guaranteed range 5°C – 25°C

Continuous pre-conditioning

36h during summer

24h during winter

Solar Panels



INTERNATIONAL AWARD WINNING LOGISTICAL HUB



World Air Cargo Awards
Airport of the Year

Criteria:

- Commitment to cargo development
- Availability of cargo facilities
- Efficiency of cargo operations

2012: Finalist

2013: Finalist

2014: Winner

2015: Winner

2016: Winner

2017: Winner



2018: Winner of the Information Technology for the Air Cargo Industry Award



2016: Highly Acclaimed Best Cargo Airport in the world

2017: Winner Best Cargo Airport in the world

2018: Winner Best Cargo Airport in the world

2019: Highly Acclaimed International Airport of the year



2015: Winner Best European Airport Industry Choice Award

2016: Winner Best European Airport Customer Choice Award

X Factor - Innovation Customer Choice Award





4

FUTURE DEVELOPMENTS



BRUCARGO
€ 100.000.000
INVESTMENT PLAN



STATE OF THE ART
ANIMAL INSPECTION &
CARE CENTER



SMB E-COMMERCE WAREHOUSE DEVELOPMENTS

NEW 50.000 SQM DIRECT RAMPS ACCESS DEVELOPMENT





5

FOCUS ON DIGITAL

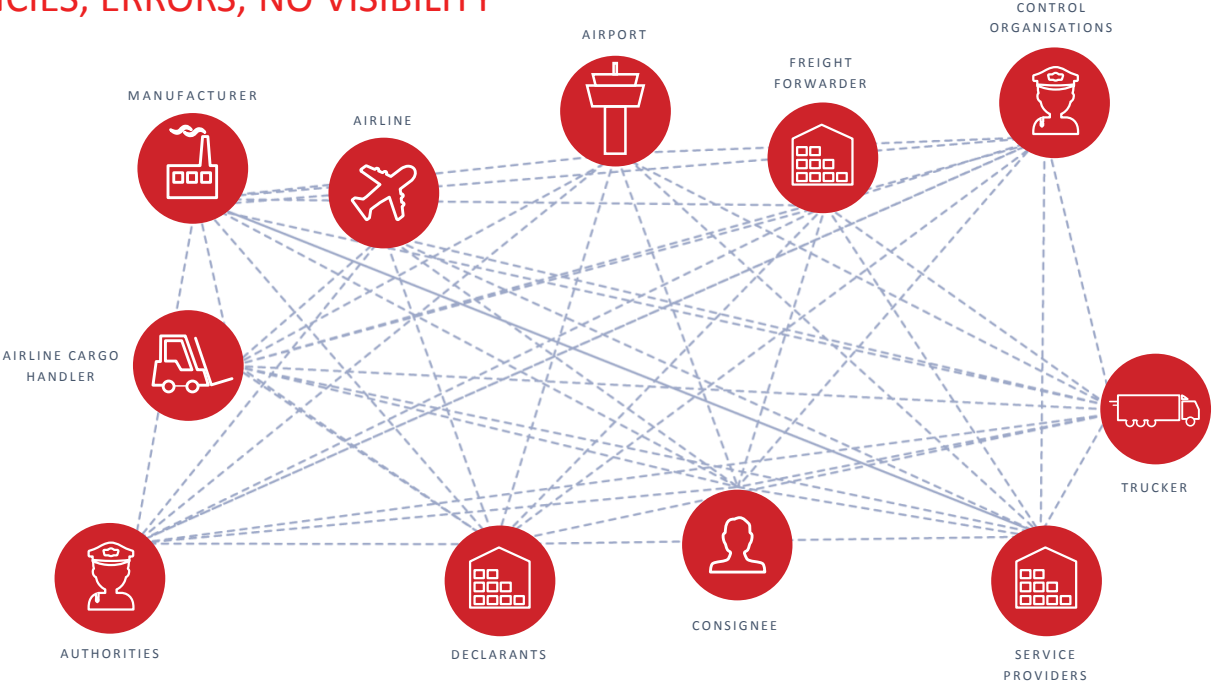
WHY DATA SHARING FOR AIR CARGO?

SCATTERED LANDSCAPE



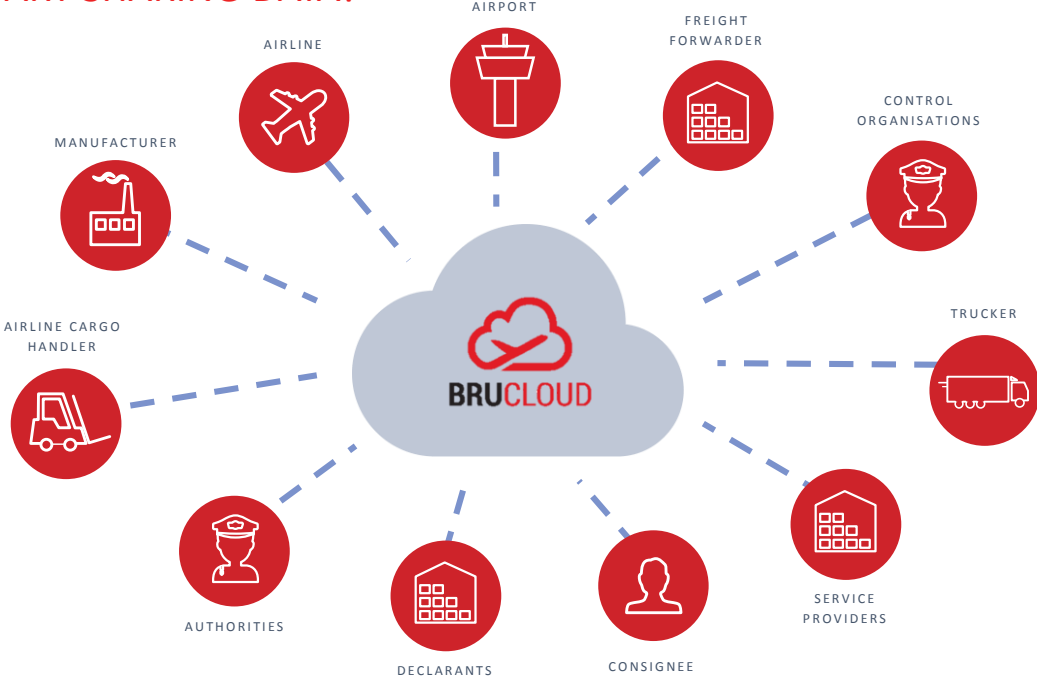
WHY DATA SHARING FOR AIR CARGO?

INEFFICIENCIES, ERRORS, NO VISIBILITY



WHAT IS BRUCLOUD?

WHAT IF WE START SHARING DATA?



WHAT IS BRUCLOUD?

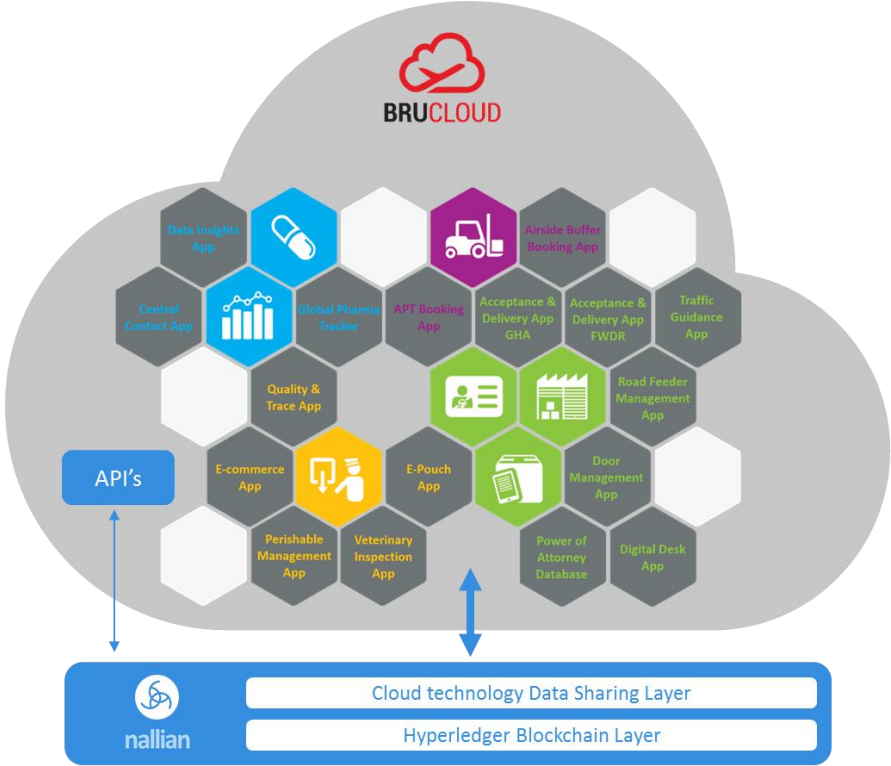
THE ESSENTIALS

- **Open data sharing platform**, with multiple **collaborative apps**, enabling to work more integrated and act as a network
- Secure data sharing - Nallian
- Agile and flexible
- **Integrate** not replace
- Limited investment cost
- Offer **smart logistical solutions** to the local Air Cargo Community
- **Long term focus** and linked to global data backbone (cloud of the clouds)



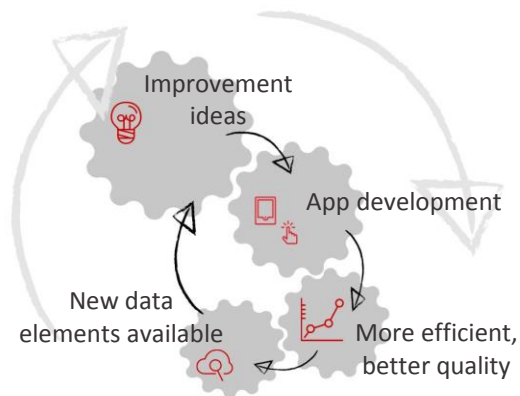
WHAT IS BRUCLOUD?

A DETAILED VIEW OF THE BRUCLOUD BEEHIVE – DIGITAL ROADMAP



WHAT ARE THE ADVANTAGES?

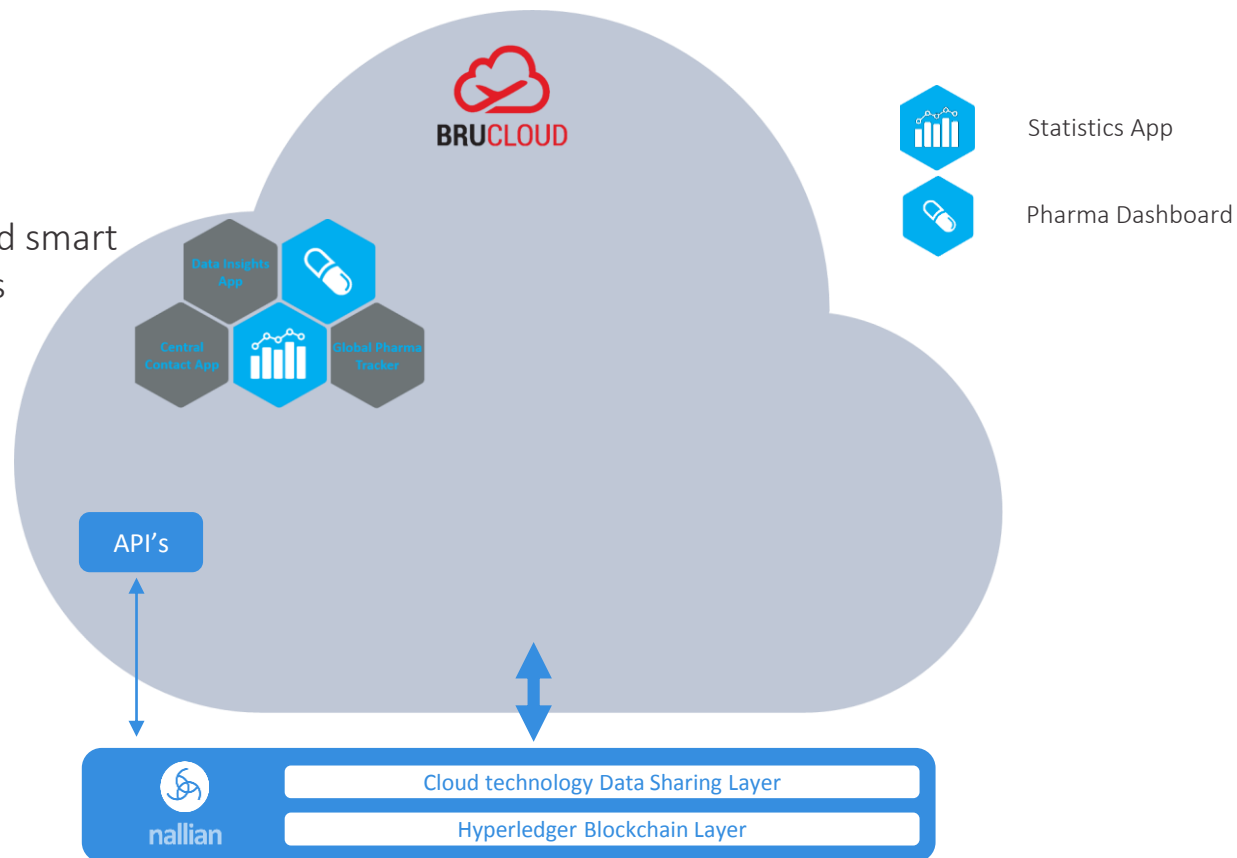
BRUCLOUD AS AN ECOSYSTEM



PARTS OF THE BRUCLOUD BEEHIVE

ANALYTICS

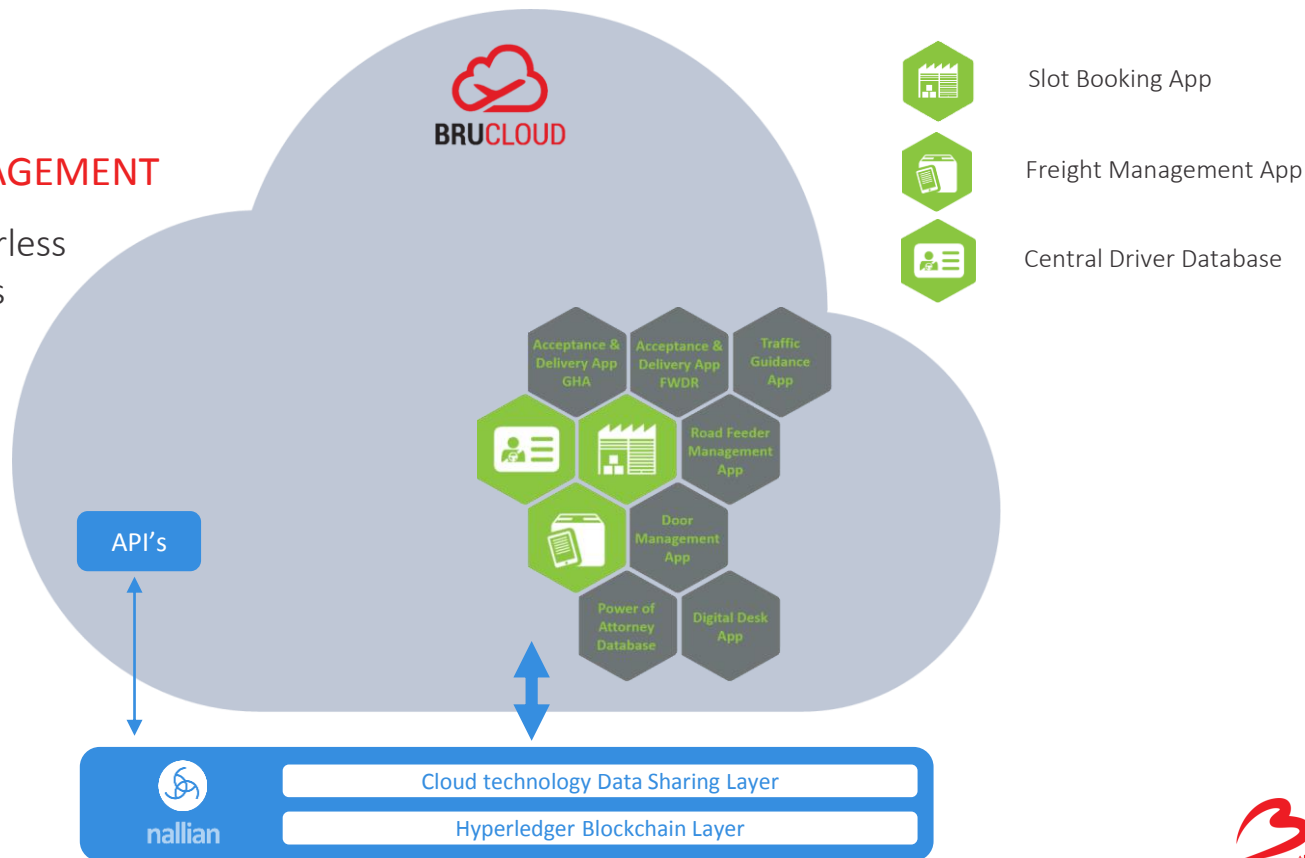
Create insights and smart business decisions



PARTS OF THE BRUCLOUD BEEHIVE

LANDSIDE MANAGEMENT

Efficient and paperless
landside processes



LANDSIDE MANAGEMENT



SLOT BOOKING APP

Why?



Smoothen the process of freight delivery/pick-up at the GHA's facilities



Eliminate waiting times (peaks) and idle times



Optimize personnel planning



Central community approach



Transparency

LANDSIDE MANAGEMENT



FREIGHT MANAGEMENT APP

Why?



Eliminate paper based delivery notes and physical flow to pick-up these notes



No fraud sensitive handover over documents



Pro-active approach: Prepare shipments at the correct gate



First Blockchain use case

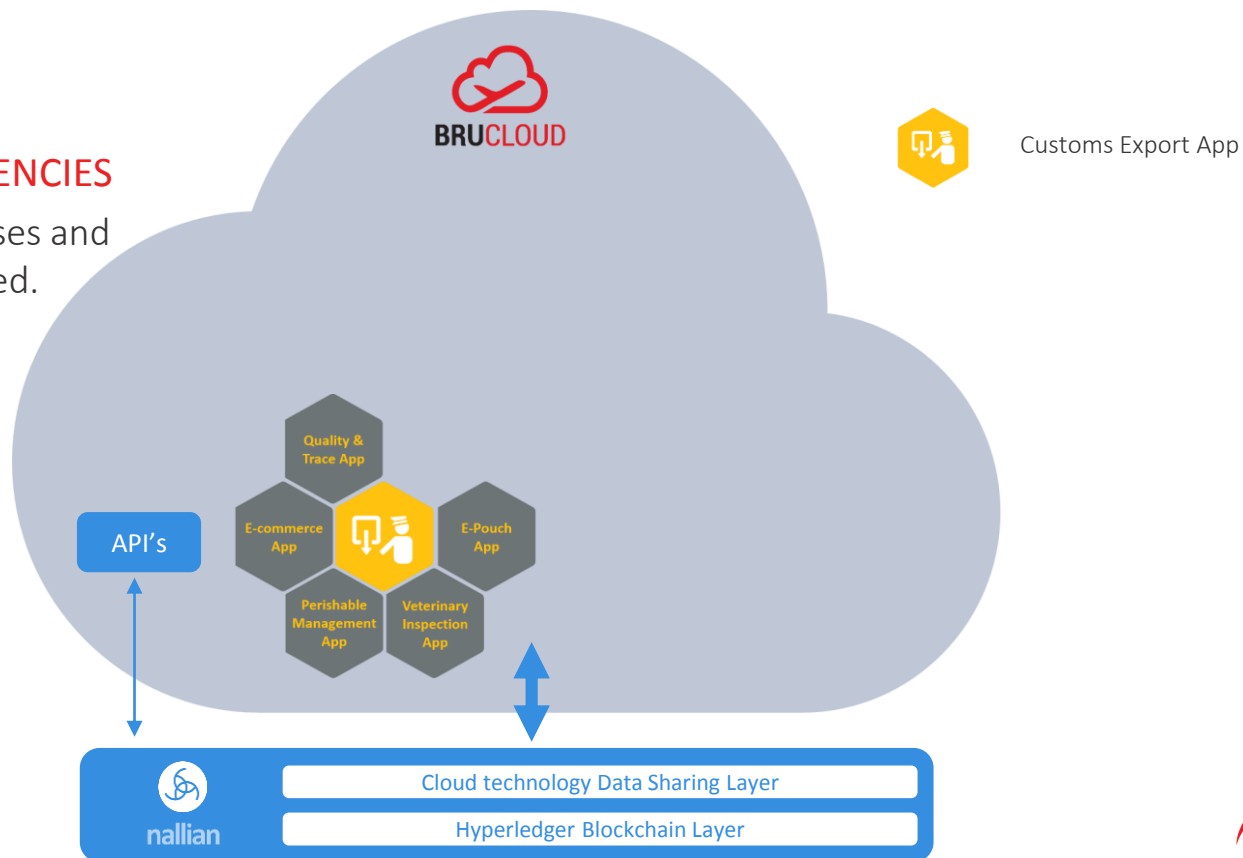


Transparency

PARTS OF THE BRUCLOUD BEEHIVE


































COMM. FED. AGENCIES

Smoothen processes and interaction with Fed. Agencies



WHAT'S NEXT?

TIME LINE 2019

Landside Management Tool	nov/18	dec/18	jan/19	feb/19	mrt/19	apr/19	mei/19	jun/19	jul/19	aug/19	sep/19	okt/19	nov/19	dec/19
Slot Booking App 			Analysis 				Roll-Out 							
Freight Management App 				Pilot 	Roll-Out 	Analysis 				Pilot 		Roll-Out 		
Central Driver Database 			Integrati on											
Acceptance & Delivery App FWDR 			Analysis 						Pilot 		Roll-Out 			
Acceptance & Delivery App GHA 								Analysis 				Integrati on	Roll-Out 	
Road Feeder Management App 			Analysis 						Pilot 		Roll-Out 			
Data Insights App 			Analysis 		Pilot 		Roll-Out 							
E-Commerce App 				Analysis 				Pilot 		Roll-Out 				
Perishable Management App 			Analysis 						Pilot 		Roll-Out 			



Q & A



THANK YOU