

**ADC-A11** 

## Supply chain innovation on AWS: Handling Brexit-related complexity at scale

Kieran Kelly

CTO

骨 ubloquity

**James Duke** 

Digital Lead





THE QUESTION





THE QUESTION

THE PROBLEM



THE QUESTION

THE PROBLEM

THE SOLUTION



THE QUESTION

THE PROBLEM

THE SOLUTION

**AWS** 

THE THE QUESTION PROBLEM

THE SOLUTION

**AWS** 



### "Innovation is answering the questions the future is asking"

### 1 The Problem











# The Story











# he









# First Boat The







# Day

JANUARY









# First U









The impact of Brexit and the movement of goods from GB-NI resulted in Delays at ports, export/import imbalance, empty shelves, supply chain inefficiencies



We started with the end in mind.

→ What does success look like?

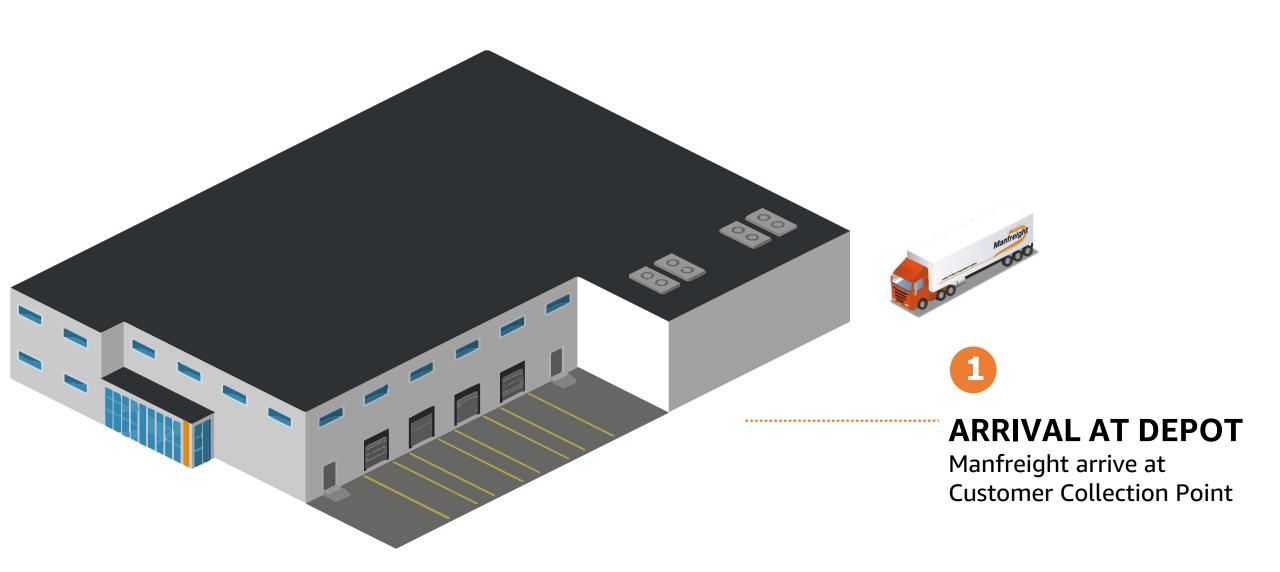




THE AWS METHOD

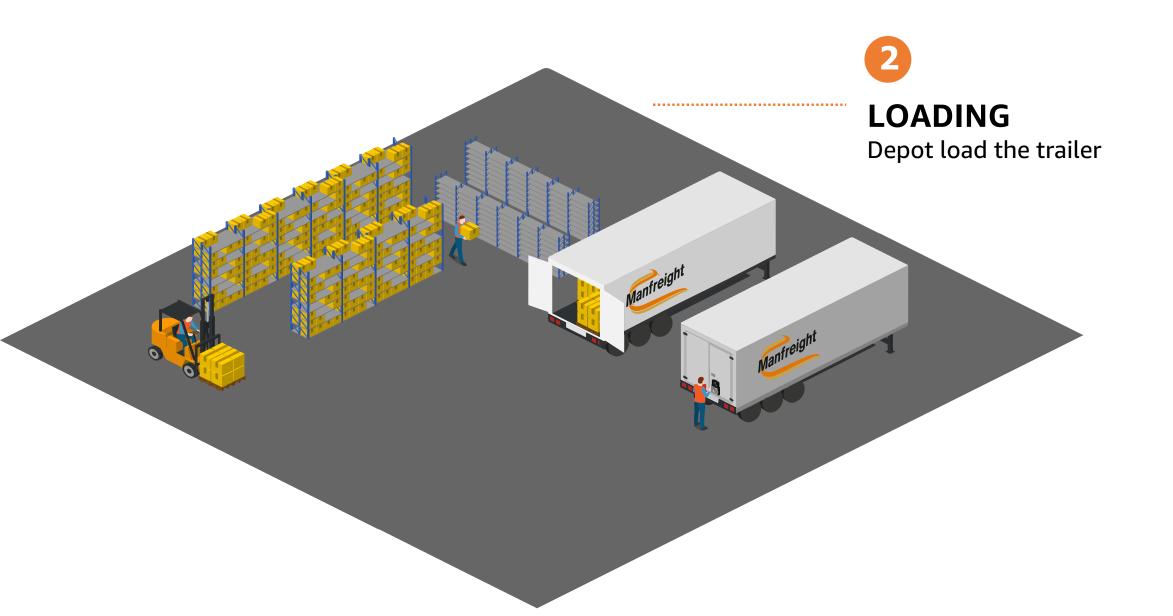
#### **Our Turn-Key Customs Solution**

COMPLETE SUPPLY CHAIN VISIBILITY THROUGH INNOVATION & DIGITISATION



#### **Our Turn-Key Customs Solution**

COMPLETE SUPPLY CHAIN VISIBILITY THROUGH INNOVATION & DIGITISATION













**Completed Declarations** 







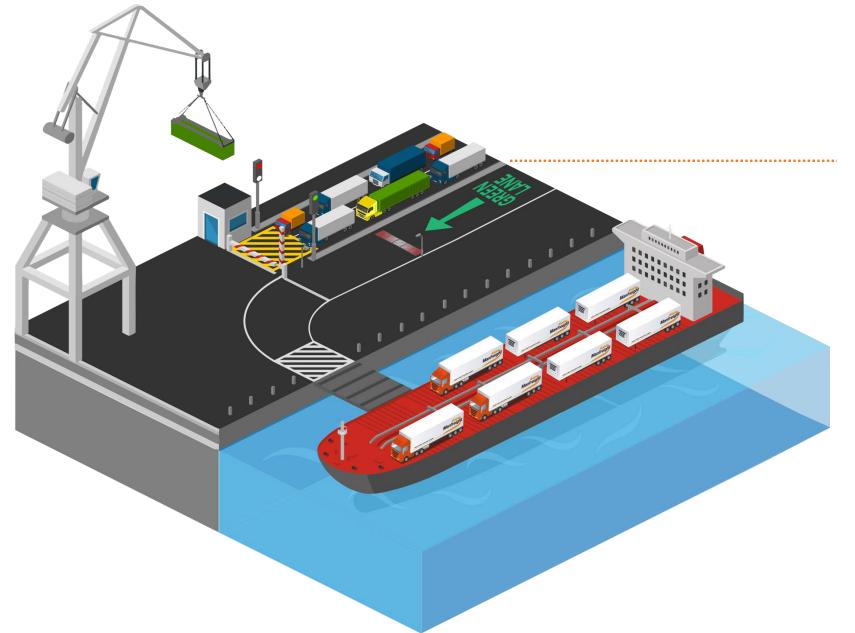






#### **Our Turn-Key Customs Solution**

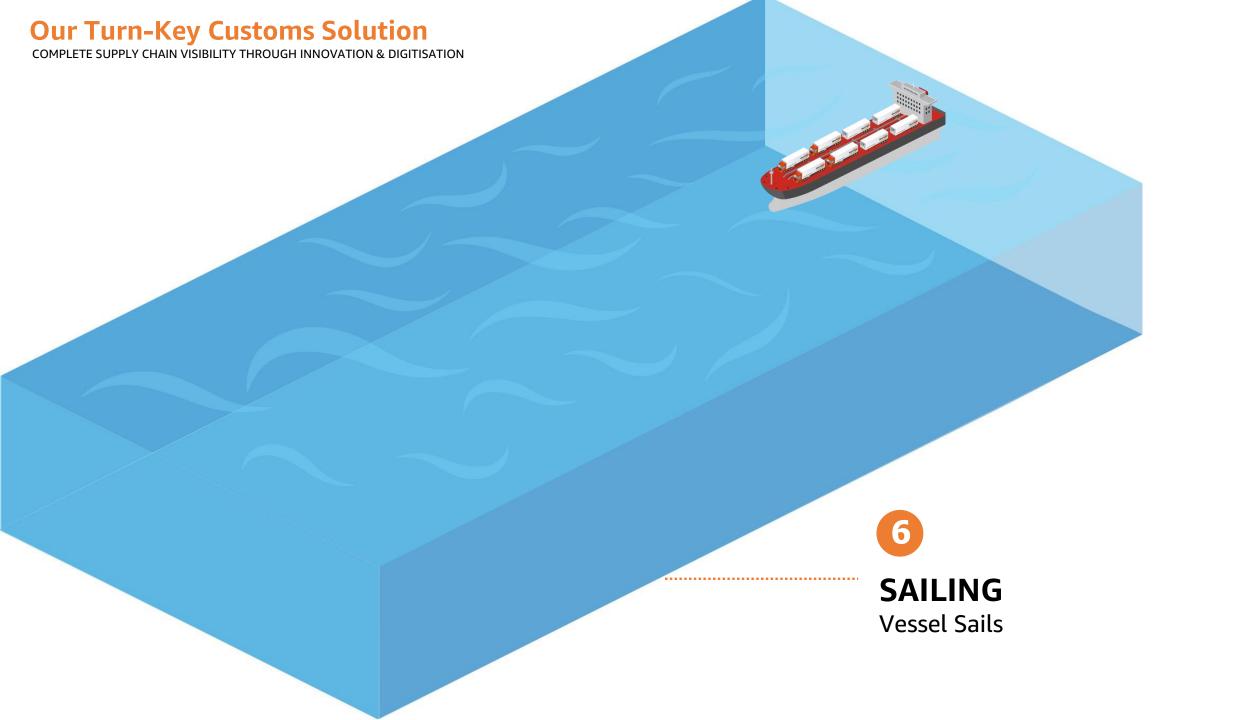
COMPLETE SUPPLY CHAIN VISIBILITY THROUGH INNOVATION & DIGITISATION

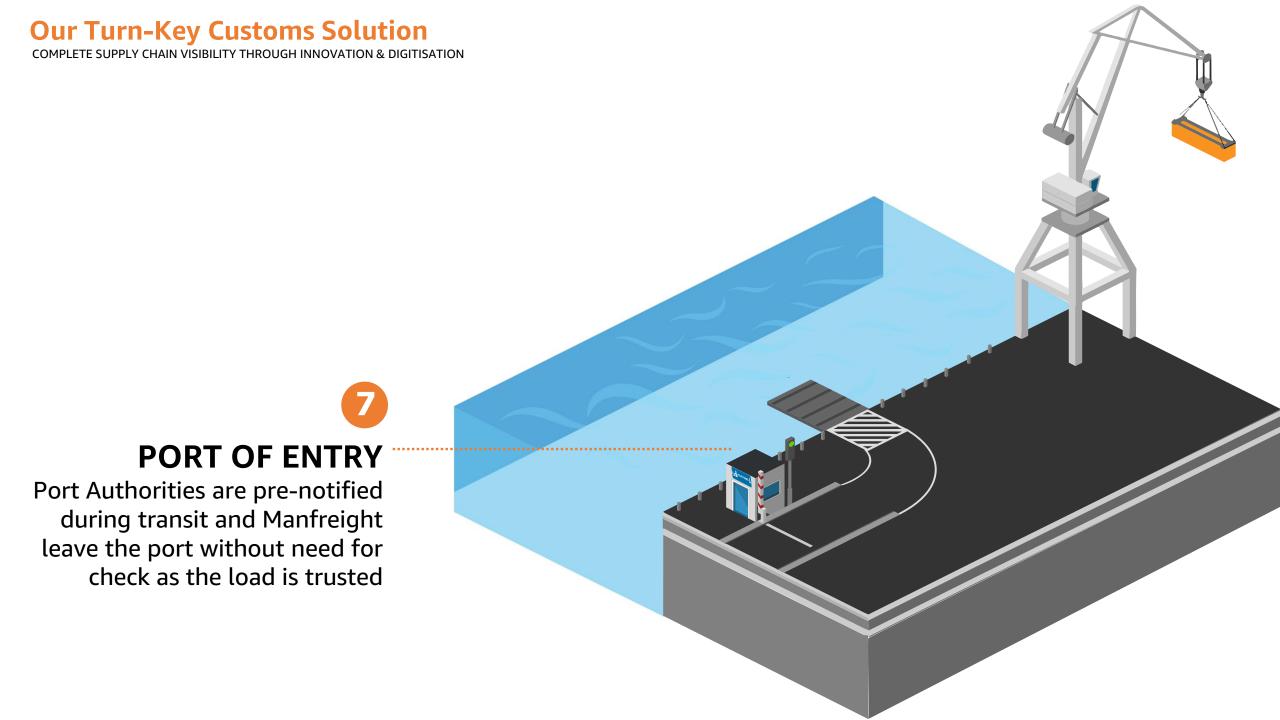




#### **PORT OF EXIT**

Manfreight is pre-cleared to enter the vessel via green lane reducing delays and maximizing efficiency for supplier





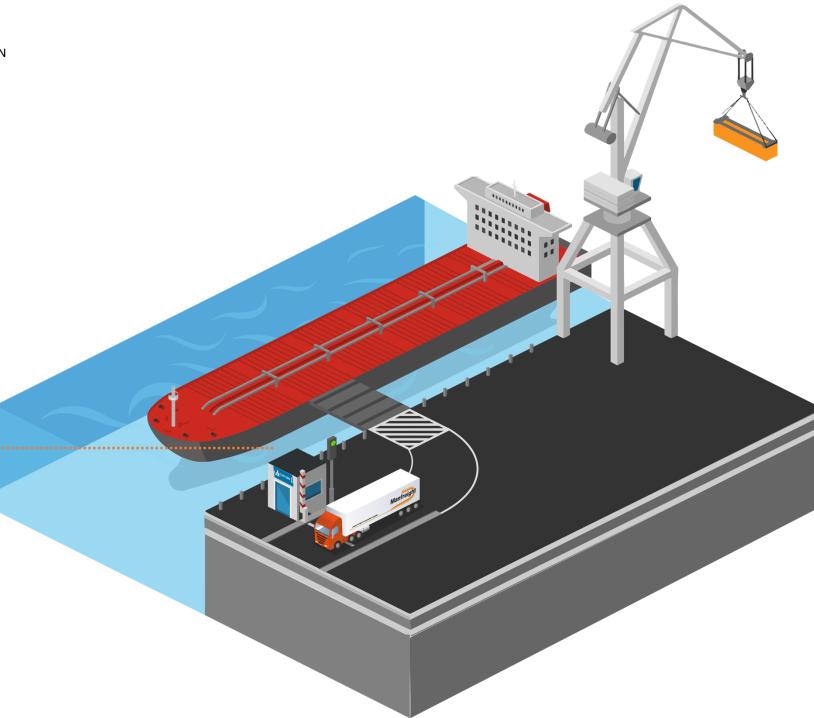
#### **Our Turn-Key Customs Solution**

COMPLETE SUPPLY CHAIN VISIBILITY THROUGH INNOVATION & DIGITISATION



#### **PORT OF ENTRY**

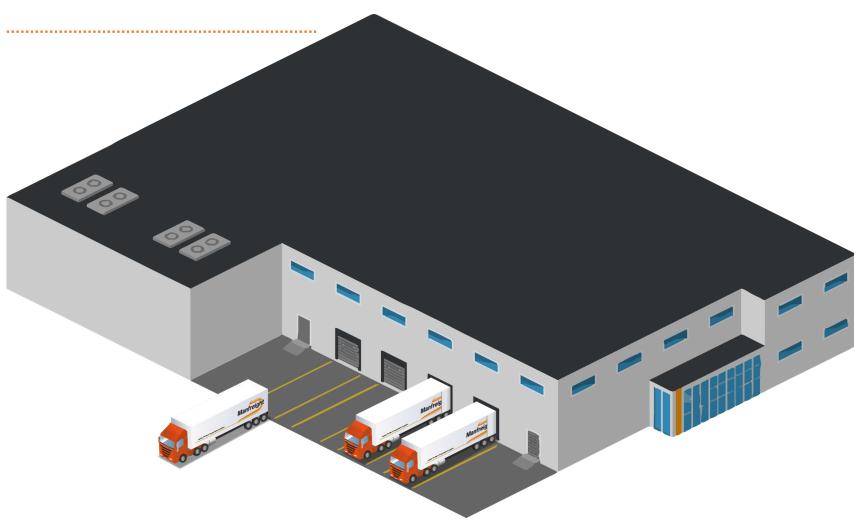
Port Authorities are pre-notified during transit and Manfreight leave the port without need for check as the load is trusted

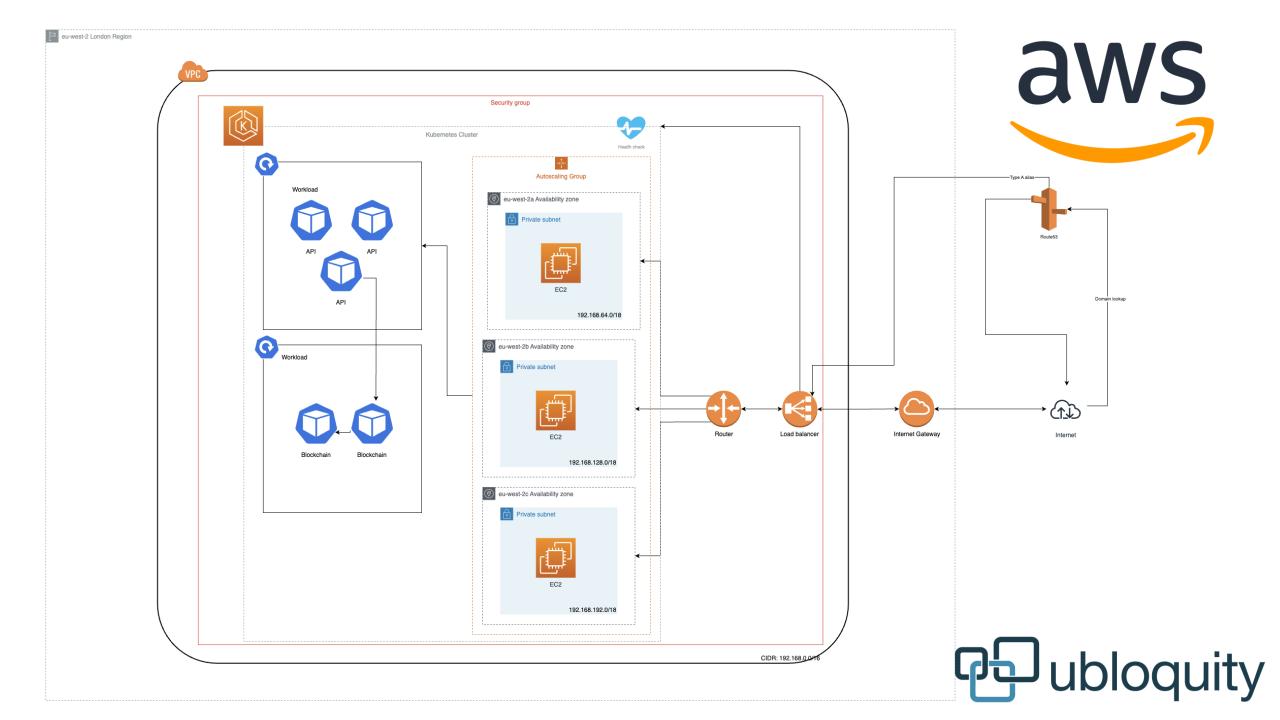




#### **DELIVERY**

Load is delivered and journey is marked as completed on Secure Freight Platform and all events recorded on the Blockchain





#### Culture of Innovation

MANFREIGHT | TECHNOLOGY



#### Digitising the supply chain



We are dedicated to digitising the supply-chain. We want to work with likeminded partners who share our vision for a connected future.

#### Cloud Technology



At Manfreight, we offer real-time access to critical intelligence & operations information through cloud services - enabling new levels of responsiveness & flexibility.

#### Blockchain Integration



Through our partnership with digital provenance experts, ubloquity, we are harnessing blockchain to create transparency in the supply chain.

#### Intelligent Storage and Distribution



Data is one of the most valuable resources when running a successful business. Our intelligent storage solutions are already transforming the supply chain.

### Size & Scale WHERE WE ARE TODAY











#### Turnover





21|22 £43M 22|2

22|23 £55.5M

#### £65M TURNOVER

Manfreight turnover more than £65 m per year.







Size & Scale

WHERE WE ARE TODAY

#### People





Manfreight has grown to have over 500 staff across the UK & Ireland.



430+ IN HOUSE DRIVERS



80+ OFFICE STAFF

The Manfreight Driving Team are all direct employees & trained in house.







Size & Scale





Manfreight own and operate more than 780 state-of-the-art vehicles.













Size & Scale





INTELLIGENT STORAGE & DISTRIBUTION

## Project Ark



