



## The Cargo Logistics platform


**The power of an open platform to drive immediate productivity for the port communities**

Michael Bouari  
CEO 1-Stop Connections Pty Ltd



**Age of Revolutionary Change**

**1-Stop**

A hand holding a rose gold iPhone. The phone is the central focus, with its camera and Apple logo visible. Overlaid on the right side of the phone is a stylized world map composed of black hexagons of varying sizes. The background is a blurred cityscape at night with bokeh lights. The overall aesthetic is modern and tech-oriented.

More power than  
what was available in 1940 on  
the entire planet

Imagine the past 3000 years  
**was the past 12 hours...**

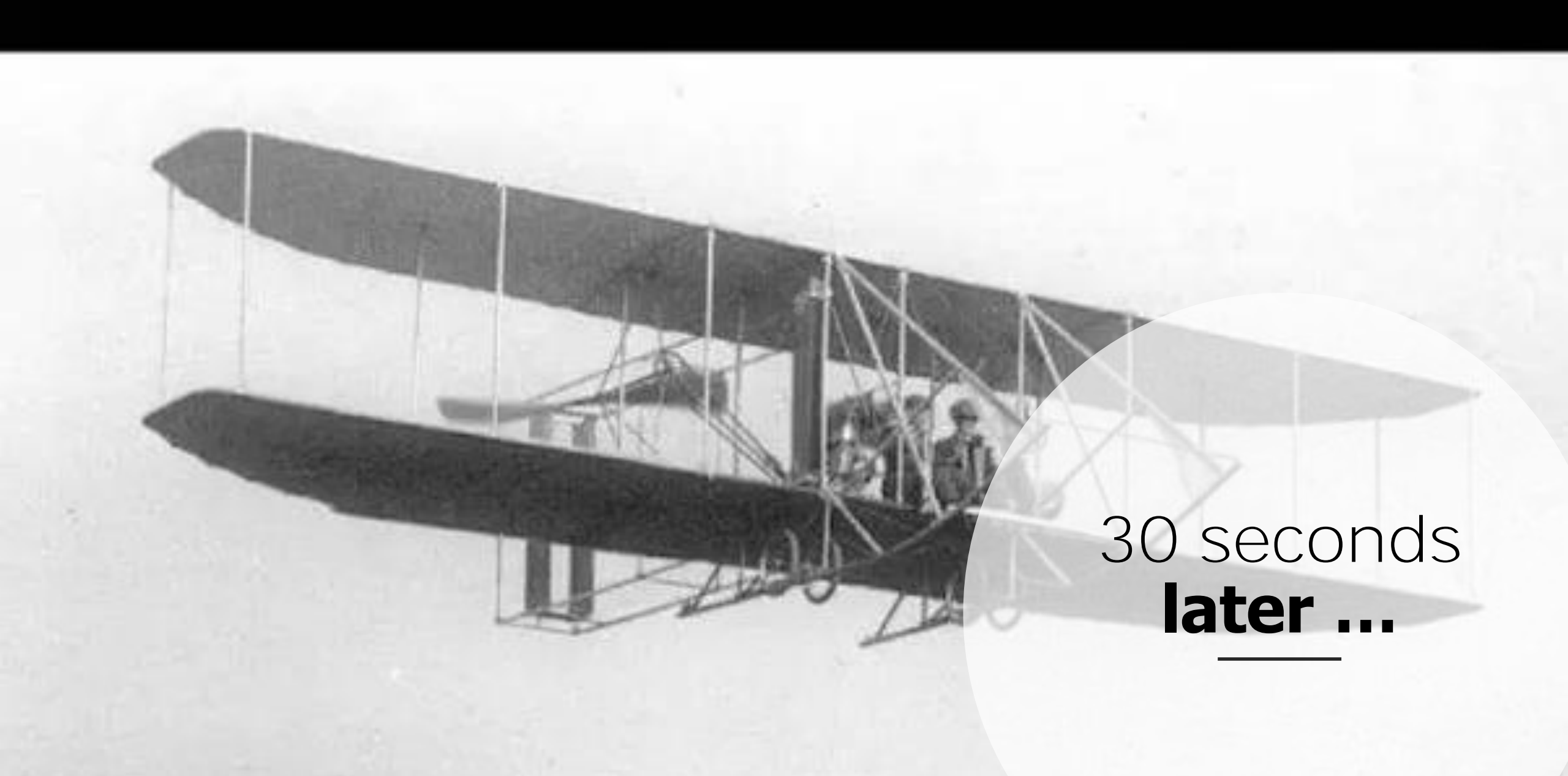
Every 1 minute will equal 50 years



**3 mins ago ...**



2.5 mins  
**ago...**



30 seconds  
**later ...**



50 seconds  
**ago...**





43 seconds  
**ago...**



28 seconds  
**ago...**



**And 3 sec after that ...**



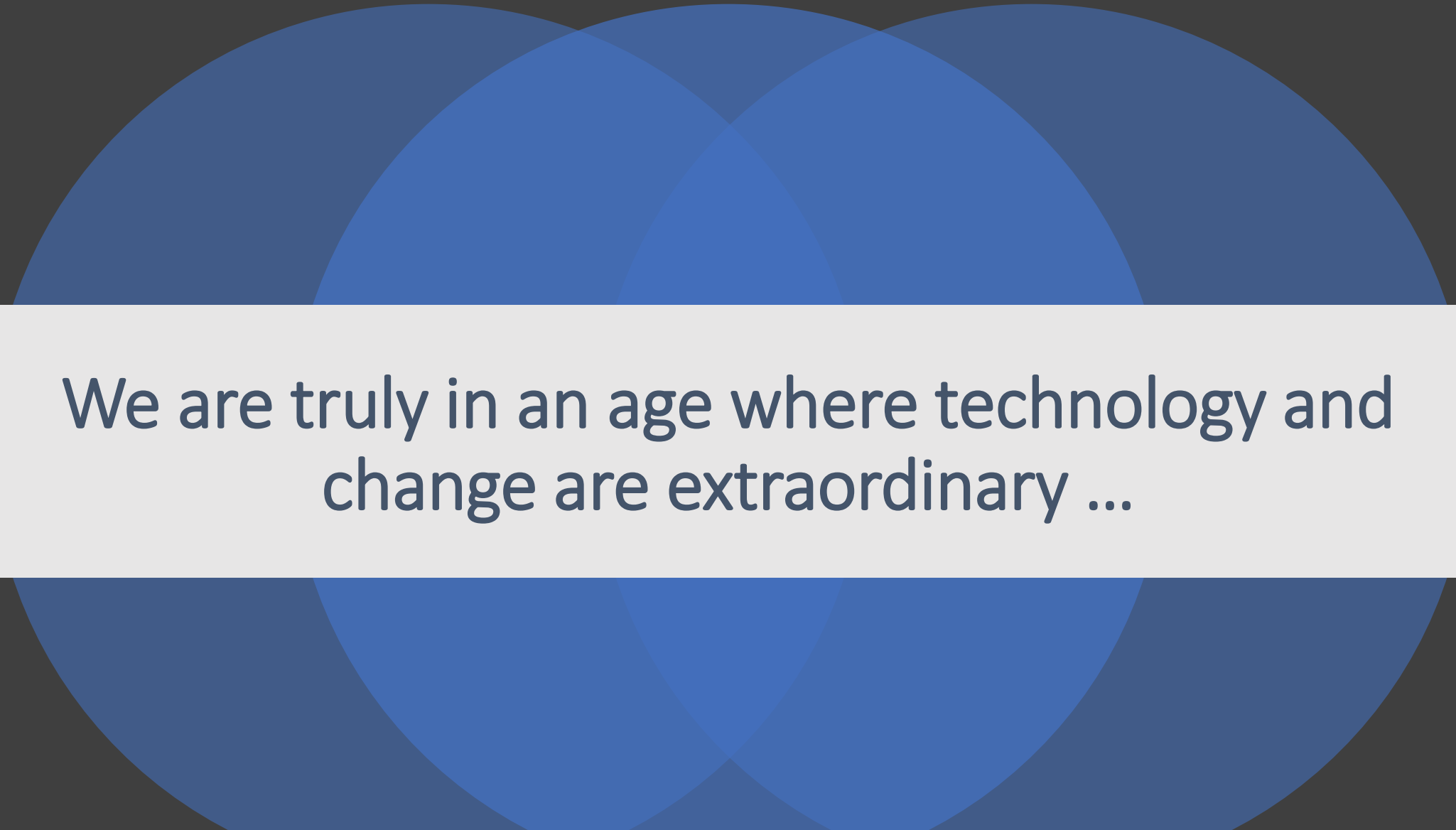
**More people on this planet  
Own a Mobile Phone  
Than a Toothbrush**

...and in the last 1 to  
2 seconds ....

In the last **2 years**  
alone we have  
created

**90%**

of the world's data.<sup>2</sup>



We are truly in an age where technology and  
change are extraordinary ...



# Technology Overview

Making sense of all the tech...

1-Stop



Technology  
Overview



Cloud



IOT  
(Internet  
of Things)



AI



Blockchain



APIs



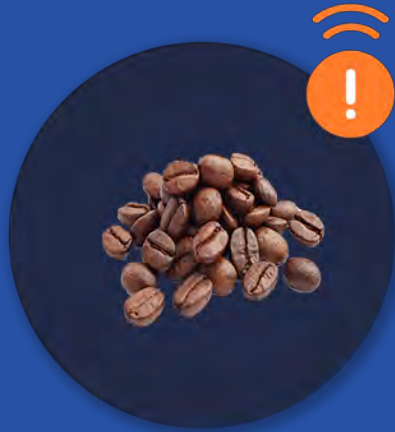
Analytics

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## Introducing... Intelligent Coffee Beans

How we can leverage this new  
technology?





'Organic' Coffee  
beans running low at  
home



**IOT**  
IoT device detects  
low supply



**AI Platform**  
Feeds data to AI  
Platform

Over 2.25 billion cups of **coffee** are **consumed in the world** every day



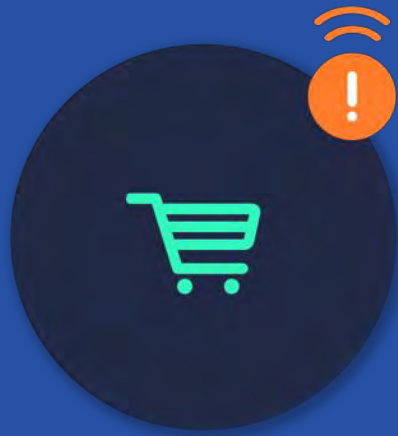
Learns behaviour of the  
household usage per day



**API Call**  
Combines with API call from cense data  
on the demographics (male/female) by  
postcode



**Analytics Engine**  
Predicts when more coffee beans needs  
to be ordered for  
just-in-time delivery



Order is made to supermarket



Supermarket ordering from supplier to restock



Supplier places order & quantity on the blockchain and is transmitted to interested parties moving the cargo from point of origin



**Blockchain**  
Ensures that we have the right "organic coffee"



**Platform** used to co-ordinate supply chain information flow and movement of cargo in the most efficient manner



Supply is delivered to home

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## The Process

All this goes on in the background system to system/machine to machine.

All the household know is that a drone /driverless vehicle “just-in-time delivery is made.”





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## Who is 1-Stop Connections

### What we do

1-Stop's objective is to continually improve productivity in the Port Community so that all users benefit from efficiency gains.

We aim to reach this through:

- Efficiency
- Collaboration
- Integration
- Innovation

# Where we are

Australia / New Zealand (12)

South East Asia (5)

Central America (1)



Key:

- CURRENT SITES
- IMPLEMENTING
- LIKELY SIGNING

Notes:

Implementing in:

- Lyttelton, New Zealand
- Central America (site TBC)

Likely Signing in:

- 2 x in Asia Pacific

Logos for Patrick, DP World Australia, and International Container Terminal Services, Inc. (EXCELLENCE UNCONTAINED).

Logos for Ports of Auckland (TĀMAKI HERENGA WAKA), NAPIER PORT, and Lyttelton Port Company (lpc).

Logos for International Container Terminal Services, Inc. (EXCELLENCE UNCONTAINED) and ASIAN TERMINALS INCORPORATED.



**17** SHIPPING  
LINES

100% of all lines  
for Asia Oceania  
route



**17** CONTAINER  
TERMINALS

Australia,  
New Zealand &  
South East Asia



**6,122**  
ROAD  
CARRIERS

100% of all road  
carriers in AUS who  
move containerised  
cargo



**1,600**  
FREIGHT  
FORWARDERS



**1,980**  
IMPORTERS  
EXPORTERS



**9** RAIL  
OPERATORS



**39** CONTAINER  
PARKS & DEPOTS

Over 170 million messages processed annually to connect Port Community



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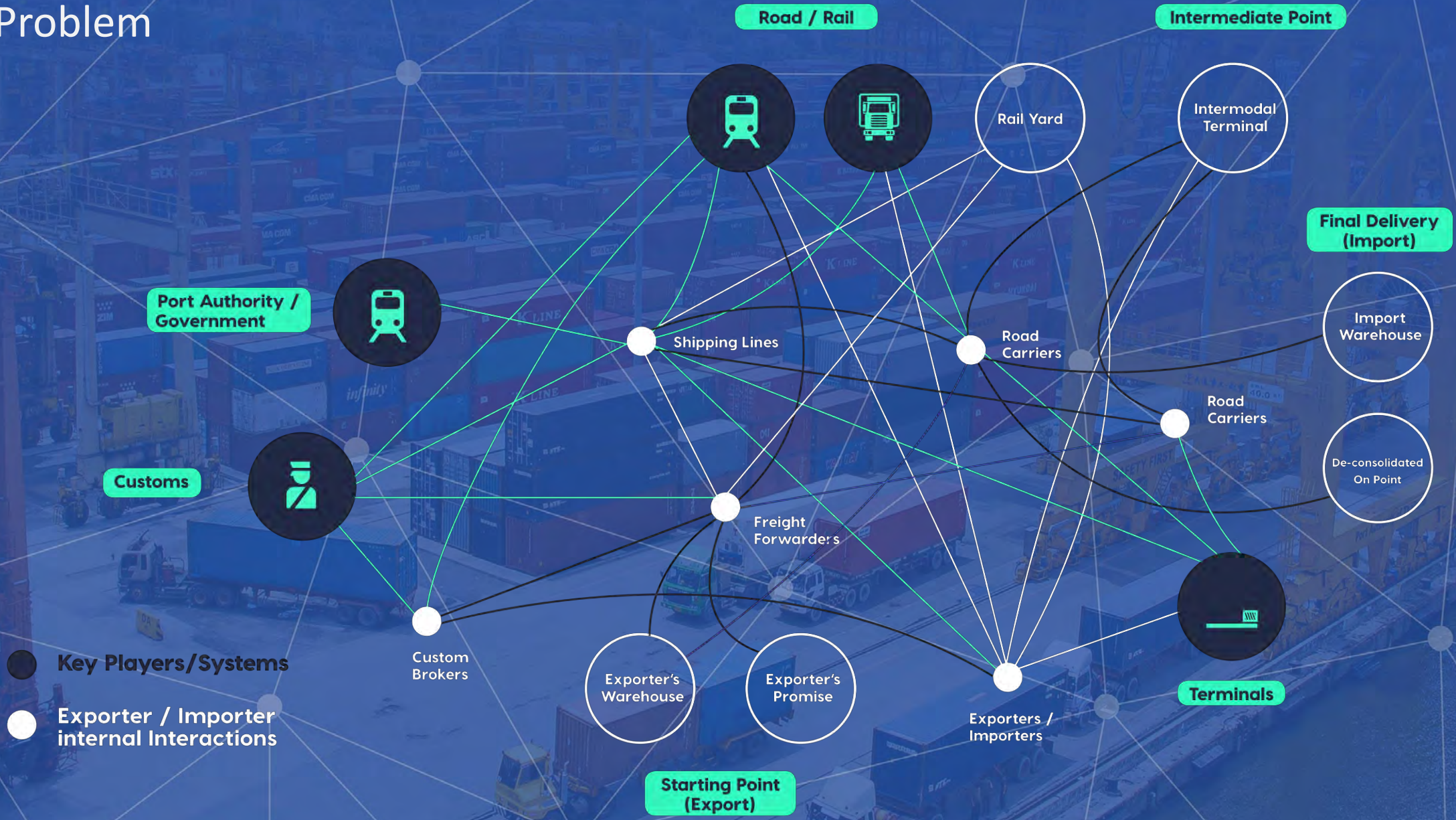
**Ports around the world range from manual / paper to automation**





# The Problem

# The Problem



# Supply Chain



# Plus “bring your own local app”

## “open” Cargo Logistics Platform



### Messaging & Message Brokering

#### CargoConnect

Integration Platform as a Service (Connectivity, IoT, APIs, Routing, Translation, Security)

#### ePRA

Electronic Pre-Receipt Advice (Electronic Export Receipt Advice)

#### eIDO

Electronic Import Delivery Orders

#### Customs Reporting

#### Container Weighing Services



### Information Services

#### Vessel Schedules & Container Status

Centralised information able to be retrieved through pull or push (B2B)



### Port Logistics & Operations

#### Vehicle Booking System (VBS)

17 Container Facilities across SEA, Australia & NZ, Integrates to TOS (Flagship Product)

#### 1-Stop Modal

MT Park Systems

#### Container Control

Reuse of Import Containers or for MT storage

#### Tracks

Train Visibility

#### Locate

Gate Management & Tracking



### eCommerce

#### ComPay

Electronic Community Payment System that allows payments within the Port Community. Includes Terminal storage payments and inter-company payments for all transaction methods.

#### Points Payment System

Virtual currency system used for prepayments for Terminal charges



### eLearning & Security

#### Security Card

Security Card that can be used for access to terminals and Integrates in the 1-Stop VBS.

#### eLearning

Centralised learning platform for the Port. Can be linked to Terminal OH&S inductions and activations of Security Card.

◀ We focus here for Ports & terminals

# Results: What we've seen already

Operators **grow** their **capacity** by **30%** **without** further **investment**

**47%** increase in utilisation

**50%** reduction in dwell times

Overseas

2-4hr queues to mostly **no** queues

Terminals moved to **auto-gate** entry, with valid security card

TTT: 91m

TTT: 37m

TTT: 15m



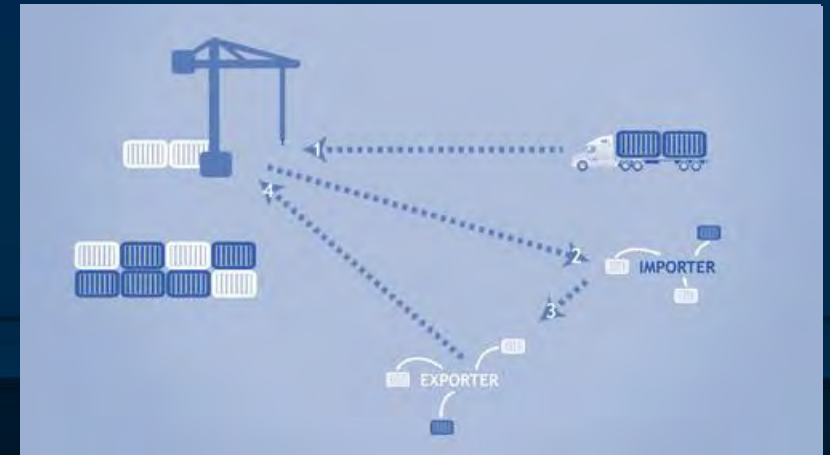
**Flattened** peak period demand with same labour & equipment



up to **5x** increase in Truck utilisation



Created **certainty**





Portside

1-Stop

Customer

Open Cargo Logistics Platform



1-Stop



Future Enabled



Saving Time



Increasing Efficiency



Increasing Productivity



One Consistent Flow



Streamlined



Coordinated Activity



Intelligence PCS Platform



## Our Manila Story

BEFORE



AFTER





**CHRIS GONZALEZ** |

*Senior Vice President and Regional Head of Asia Pacific Region @ MCT, ICTSI*



1-Stop

Global leader in removing port congestion through innovation

[www.1-stop.com](http://www.1-stop.com)