

ORACLE®

A large warehouse filled with stacks of cardboard boxes on pallets, with a forklift in the foreground. The warehouse is well-lit, and the boxes are neatly stacked. A forklift is visible in the foreground, moving a pallet of boxes. The background shows more stacks of boxes and a forklift in the distance.

Vision For Modern Logistics

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11th April 2019

Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Modern Supply Chains Have The Customer at The Center



Ecommerce Fulfillment

Store 1

Store 2

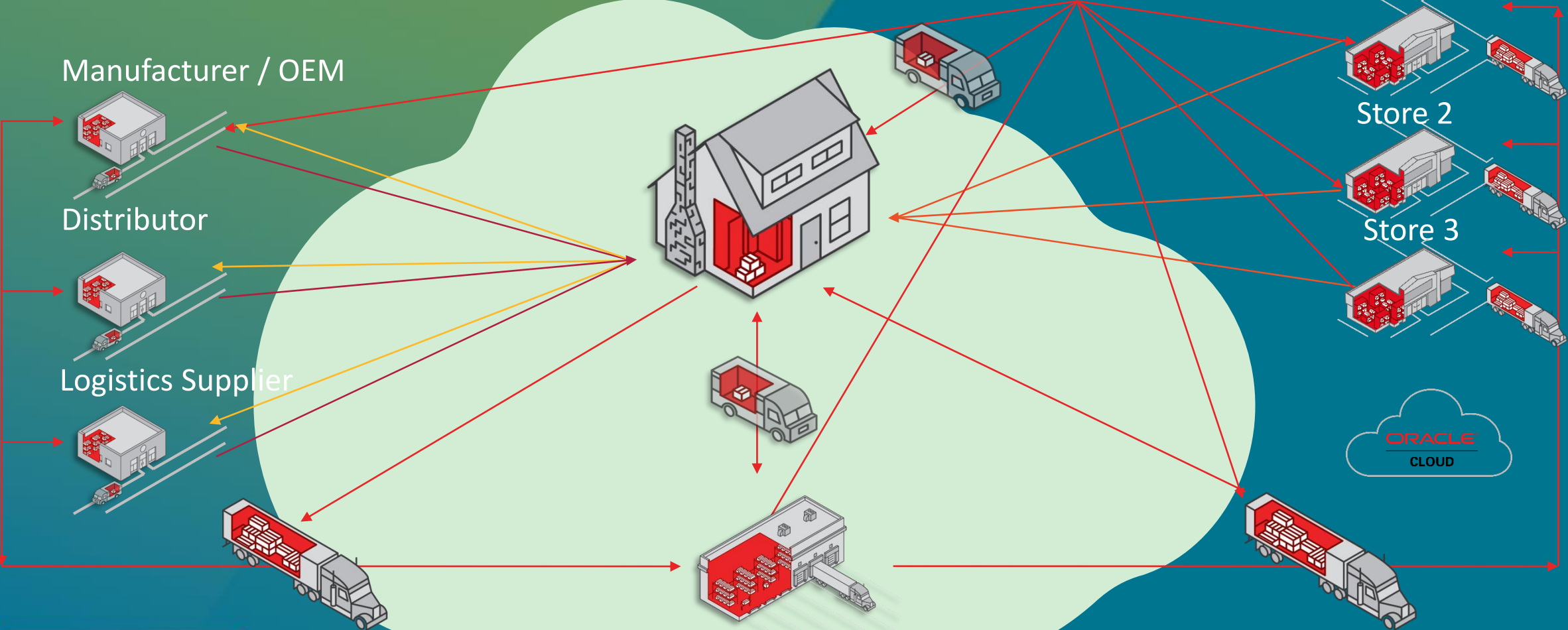
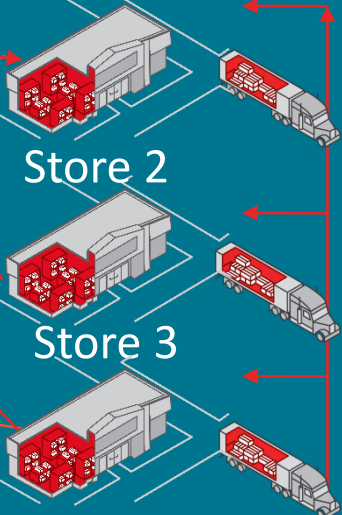
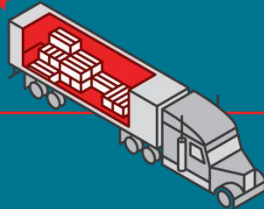
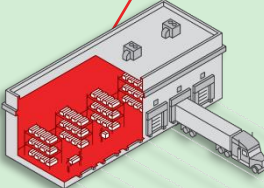
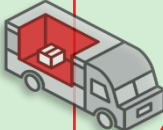
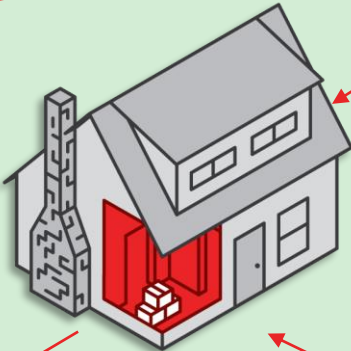
Store 3

ORACLE
CLOUD

Manufacturer / OEM

Distributor

Logistics Supplier



The New Fulfilment Economy

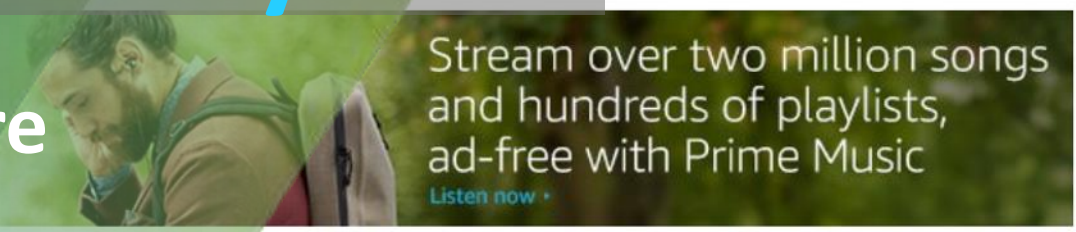
How Shopping Used To Be

- You went to the local shops
- Opening hours were fixed
- If it wasn't in the shop you couldn't buy it!
- Competition was limited
- Deliveries took time and were expensive

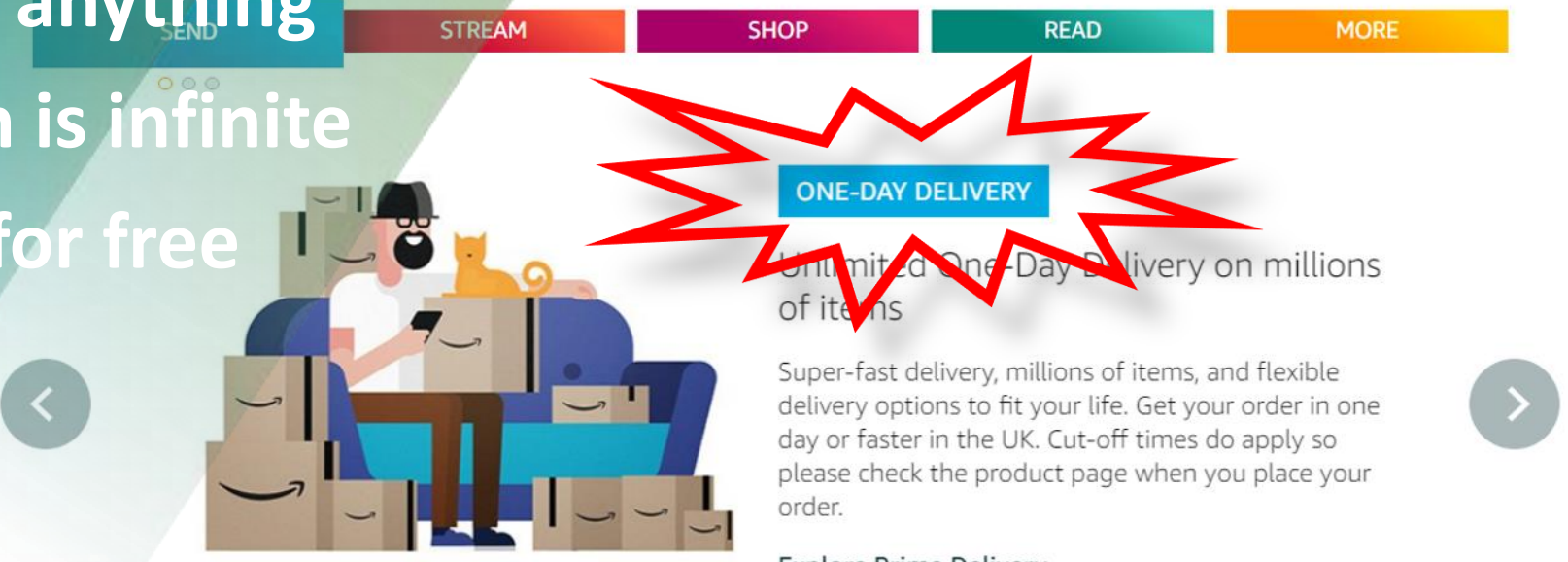
The New Fulfilment Economy

How Shopping Is Today

- You can shop anywhere
- You can shop anytime
- You can buy anything
- Competition is infinite
- Get it now..for free



Your Prime membership includes:



Your Account > Your Orders

Your Orders

Search all orders

Search Orders

Orders Open Orders Cancelled Orders

163 orders placed in 2018 ▾

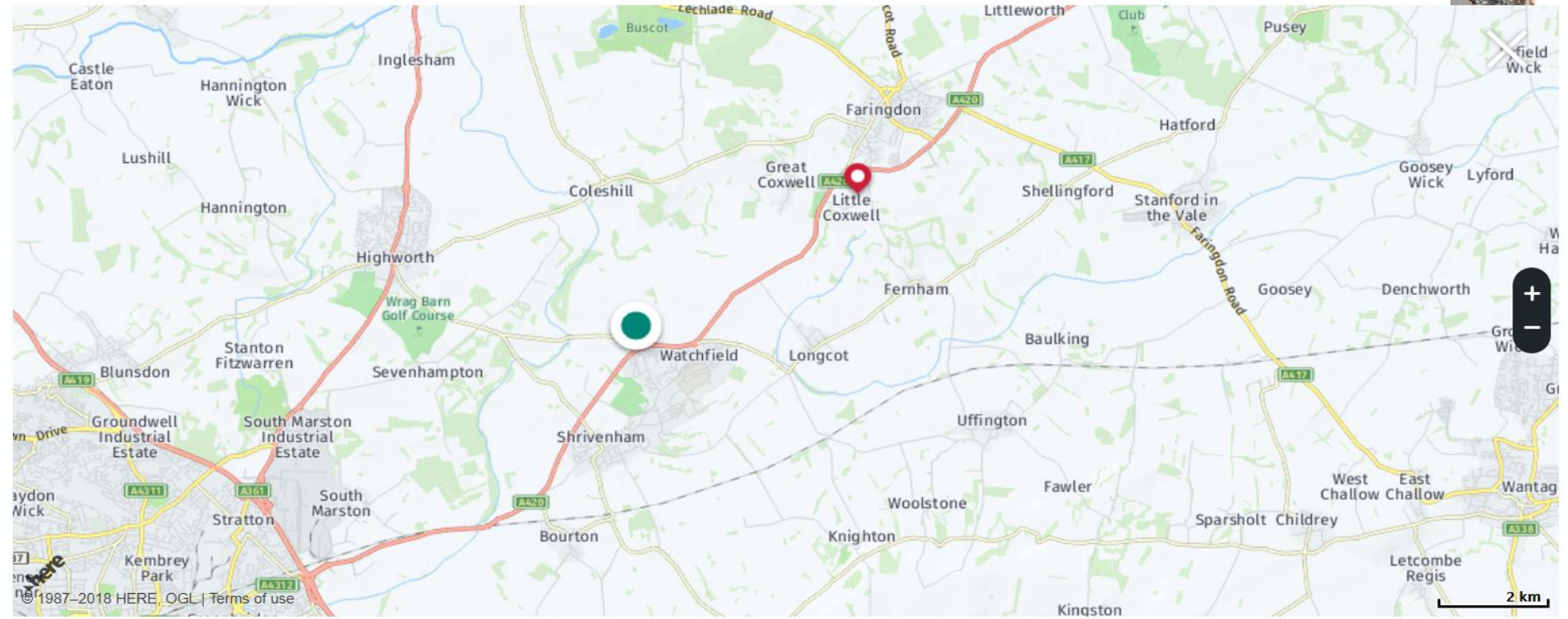
ORDER PLACED 20 October 2018	TOTAL £17.35	DISPATCH TO Dominic Regan ▾	ORDER # 204-2660736-4549960 Order Details Invoice ▾
Arriving Monday			Track package
	Learn the Art of Bird Photography: The Complete Field Guide for Beginning and Intermediate Photographers and Birders Boyer, Tim Sold by: Amazon EU S.a.r.L. £17.35		Change shipping speed
Buy it again			Cancel items
			View or edit order
			Hide Order

ORDER PLACED 18 October 2018	TOTAL £14.99	DISPATCH TO Dominic Regan ▾	ORDER # 204-8983474-7335531 Order Details Invoice ▾
Delivered yesterday Parcel was handed to resident.			Track package
	Outward Hound Interactive Slow Bowl Bloat Preventing Feeder Hills Design, Large, Grey Sold by: Amazon EU S.a.r.L.		Return or Replace Items

Your Account > Your Orders > Order Details > Track Package

Arriving today by 9 PM

The driver is currently 13 stops away



Your Account > Your Orders > Order D

Delivered today

Parcel was handed to resident.



Delivered

Dominic Regan

[See all updates](#)

Delivery By Amazon Shipping



Tracking ID Q51104411463

Monday, 22 October

7:40 PM	Delivered <i>Faringdon, GB</i>
6:46 PM	Out for delivery <i>Swindon, GB</i>
10:15 AM	Out for delivery <i>Swindon, GB</i>
12:53 AM	Package arrived at the final delivery station <i>Swindon, GB</i>

Sunday, 21 October

Parcel has been handed over to the carrier and is in transit

Times are shown in the local time zone.



Now that's
Excellence!

ORACLE®





Hi Glyn,
I wanted to send
of DPD love after
latest delivery
I'm really sorry
have a great rest of
and hope you can't

reply to me here: wecare



dpd

SORRY
Glyn

„Modern Logistics Excellence“

**It's not just about the Delivery
.....it's about the Experience!**

Digital Supply Chains of the 21st Century Must Be....



More Engaging

Innovation Through
Engagement



More Mobile

Ubiquitous Visibility
and Access



More Insightful

Real-Time Information
for Best Decisions



More Collaborative

Responsiveness
Through Collaboration

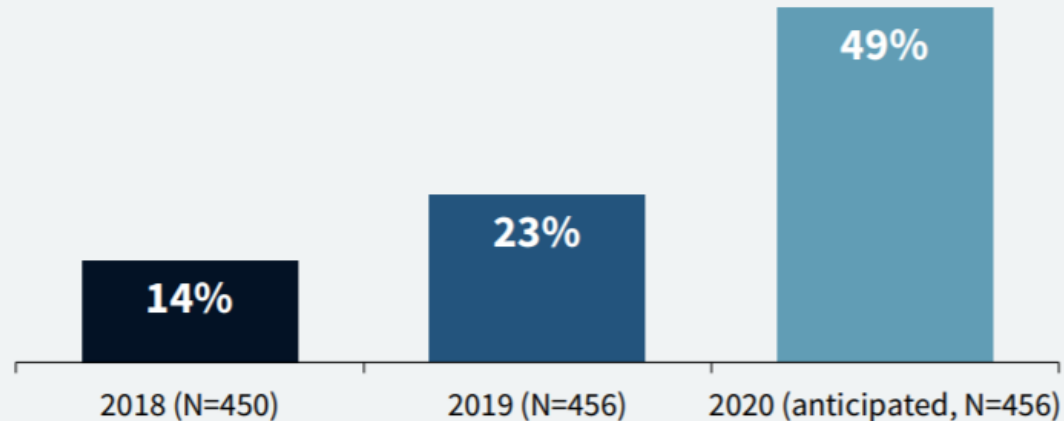


The **Best Supply Chain** Offers Opportunities To Innovate with Emerging Technologies

ORACLE AND KPMG CLOUD THREAT REPORT

Percentage of organizations with more than 50% of their data in any public cloud.

(Percent of respondents)



“
Nearly half (49%) of all respondents expect to store the majority of their data in a public cloud by 2020
”

DISRUPTIVE TECHNOLOGIES CREATE NEW OPPORTUNITIES



Artificial
Intelligence



Digital
Assistants



Internet of
Things (IoT)
and AR



Blockchain



Transportation/Delivery Lead Time

- Leverage machine learning to use history and current trends to predict lead time on lanes
- Identify at-risk shipments and proactively work with customer
- Use at order capture time to accurately predict shipment route and set order promise date



Industry Trends

	WEEK Dec 30 - Jan 5 vs. Dec 23 - 29	MONTH Dec 2018 vs. Nov 2018	YEAR Dec 2018 vs. Dec 2017
Spot Market Loads	+18%	-5.5%	-19%
Spot Market Capacity	+11%	-11%	+34%
Van Load-To-Truck	-0.2%	+7.6%	-33%
Van Rates (Spot)	+1.4%	-0.5%	-2.4%
Flatbed Load-To-Truck	+29%	+13%	-41%
Flatbed Rates (Spot)	+1.2%	+0.0%	+4.3%
Reefer Load-To-Truck	-7.1%	-0.3%	-49%
Reefer Rates (Spot)	+1.2%	-1.2%	-1.6%
Fuel Prices	-0.9%	-5.4%	+7.3%

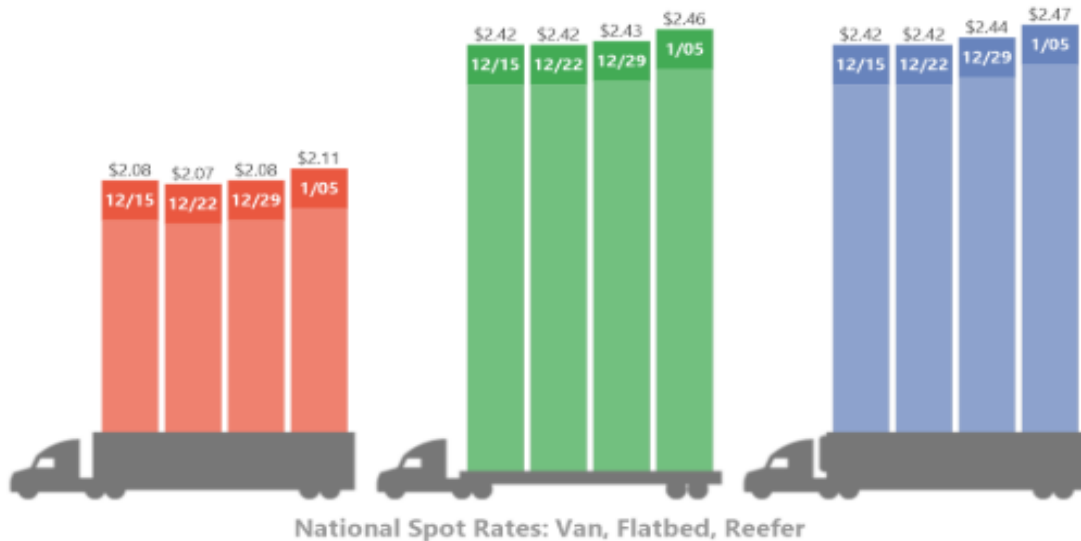
Fuel Prices



Capacity Planning

- Use ML to predict shipment counts by lane and equipment type
- Compare with current shipment volume and collaborate with carriers to resolve
- Reduce reliance on the expensive spot market when capacity is scarce

Spot rates ring in New Year on a high note



Intelligent Bots

Logistics Use Cases

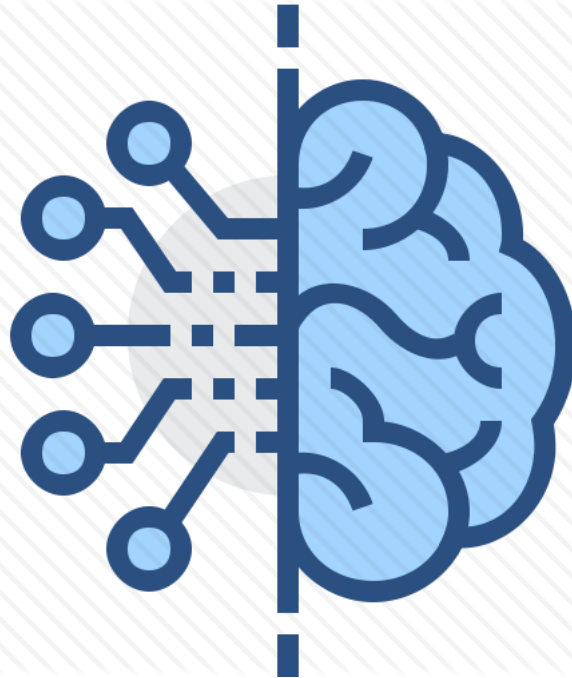
Status Inquiry

Rate Inquiry

Entity Search

Entity Creation/Update

Mobile Assistant



Visibility Remains an Elusive Goal





CONTROLS

STATE driving

START

LATTUDE 32.05867

LONGITUDE -85.13804

DESTINATION

REMAINING DISTANCE 146.998 miles

SPEED 0 KPH

RESET TO START

EVENTS

ENGINE OVERHEATING!

UNSCHEDULED STOP

DEVICE STATUS

DATA CHART



DEVICE MONITORING

9:10:54 AM

STATUS ON

Truck 1 2C10AF72-533F-4A43-96FF-...
2C10AF72-533F-4A43-96FF-7C1D4FF00AD3

TRUCK SPEED 0 KPH

ENGINE RPM 3492 RPM

NUMBER OF DTCS 0 #

ENGINE COOLANT TEMPERATURE 210 C

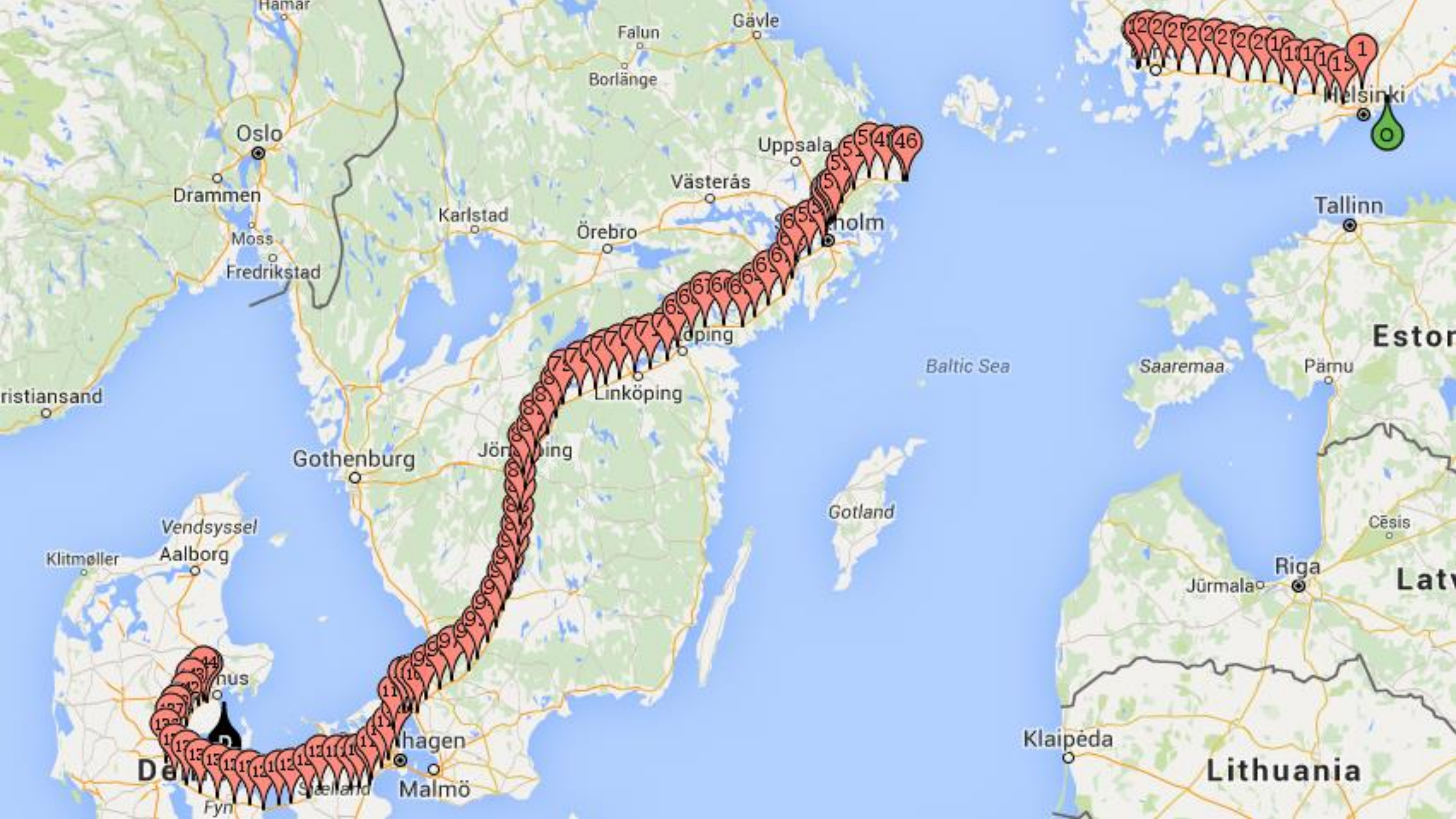
THROTTLE POSITION 0.0 %

ODOMETER READING 59747.0 KM

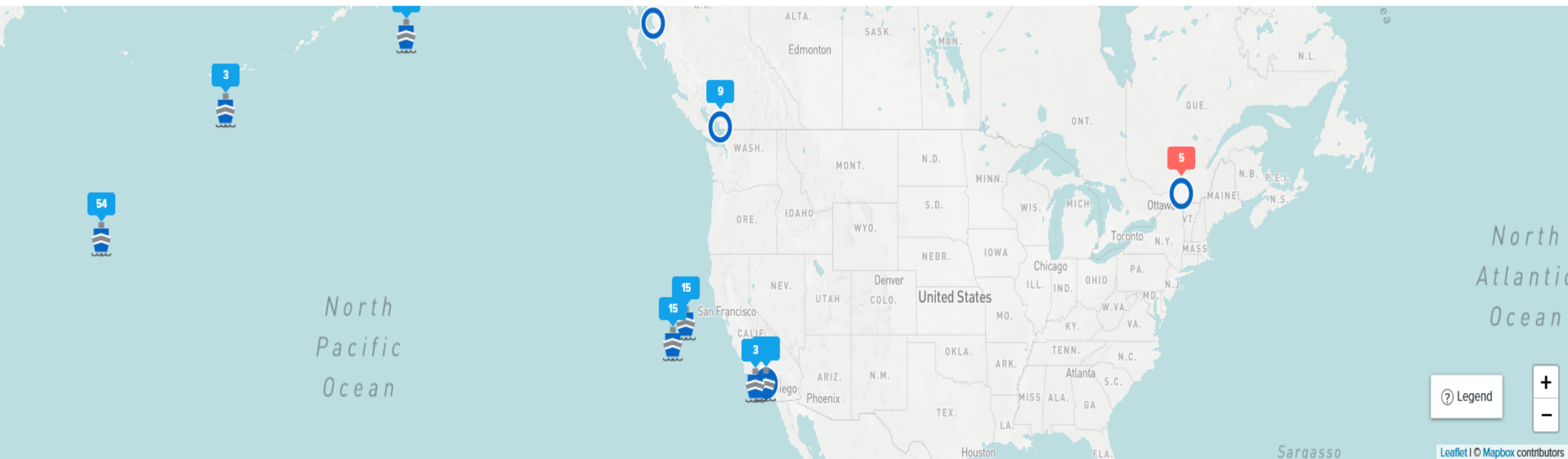
FUEL USED 0.0 L

RUNTIME SINCE ENGINE START 9769 Seconds

MASS AIR FLOW 200 Cubic Feet



Watchlist
Carrier ▾
Origin ▾
Destination ▾
Load Port ▾
Discharge Port ▾
ETD/ATD ▾
ETA/ATA ▾
Booking **254**
Bill of Lading **150**
Container **454**
List View



Legend + -

Leaflet | © Mapbox contributors

Clear Filters

Drag here to set row groups

<input type="checkbox"/>		LOAD PORT	1ST VESSEL ETD/ATD VS. ORI...	DISCHARGE PORT	LAST VESSEL ETA/ATA VS. ORIGINAL	DESTINATION	DESTINATION ETA/ATA ...	REFERENCE #	STATUS	CONT
<input checked="" type="checkbox"/>		China Yantian, China	A -3h	Vancouver, Canada	A +94h	Montreal, Quebec, Canada	ETA: 03 OCT 2018, 05:49 Wed	SCC · Group A; FID · SZXOM201808281603...	In Progress	DFSU
<input type="checkbox"/>		China Shanghai, China	A +75h	Prince Rupert, Canada	A +71h	Montreal, Quebec, Canada	ETA: 05 OCT 2018, 10:00 Fri	CSO · EC18102; FID · TACBK0087912; SIR · ...	In Progress	CSNU
<input type="checkbox"/>		China Yantian, China	A -3h	Vancouver, Canada	A +94h	Montreal, Quebec, Canada	ETA: 07 OCT 2018, 17:00 Sun	SCC · Group A; FID · SZXOM201808281603...	In Progress	CCLL
<input type="checkbox"/>		China Yantian, China	A -21h	Vancouver, Canada	A +87h	Montreal, Quebec, Canada	ETA: 10 OCT 2018, 06:00 Wed	SCC · Group A; FID · SZXOM20180605016...	In Progress	TCNU
<input type="checkbox"/>		China Yantian, China	A -3h	Vancouver, Canada	A +94h	Montreal, Quebec, Canada	ETA: 07 OCT 2018, 18:00 Sun	SCC · Group A; FID · SZXOM201808281603...	In Progress	TCNU

S-061318-189 Status Alerts Reports Details Data Range: Full Shipment Duration

In transit to: Memphis, TN, USA
Updated 6 minutes ago

Jun 14, 2018
17:26:51 PM (7 minutes ago)

Location
Interstate 75, Forest Park, Georgia 30297,
United States

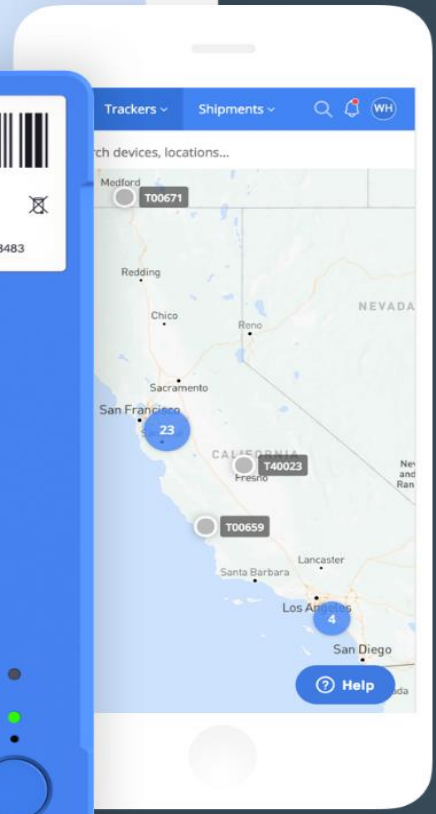
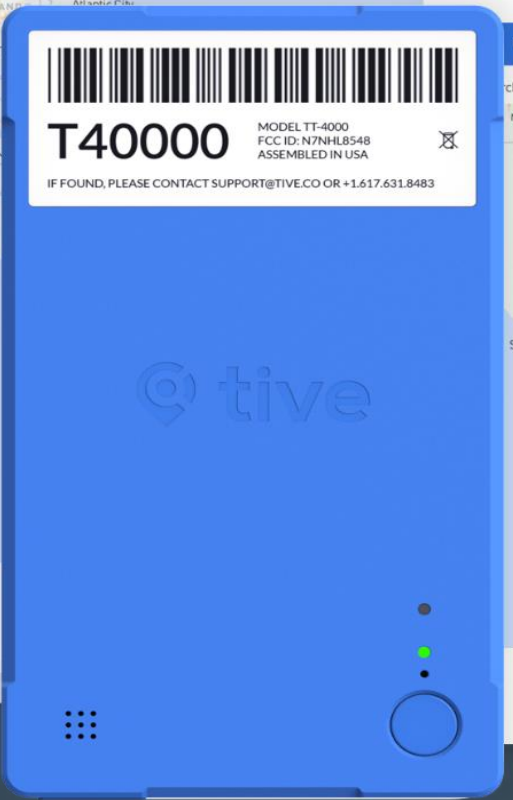
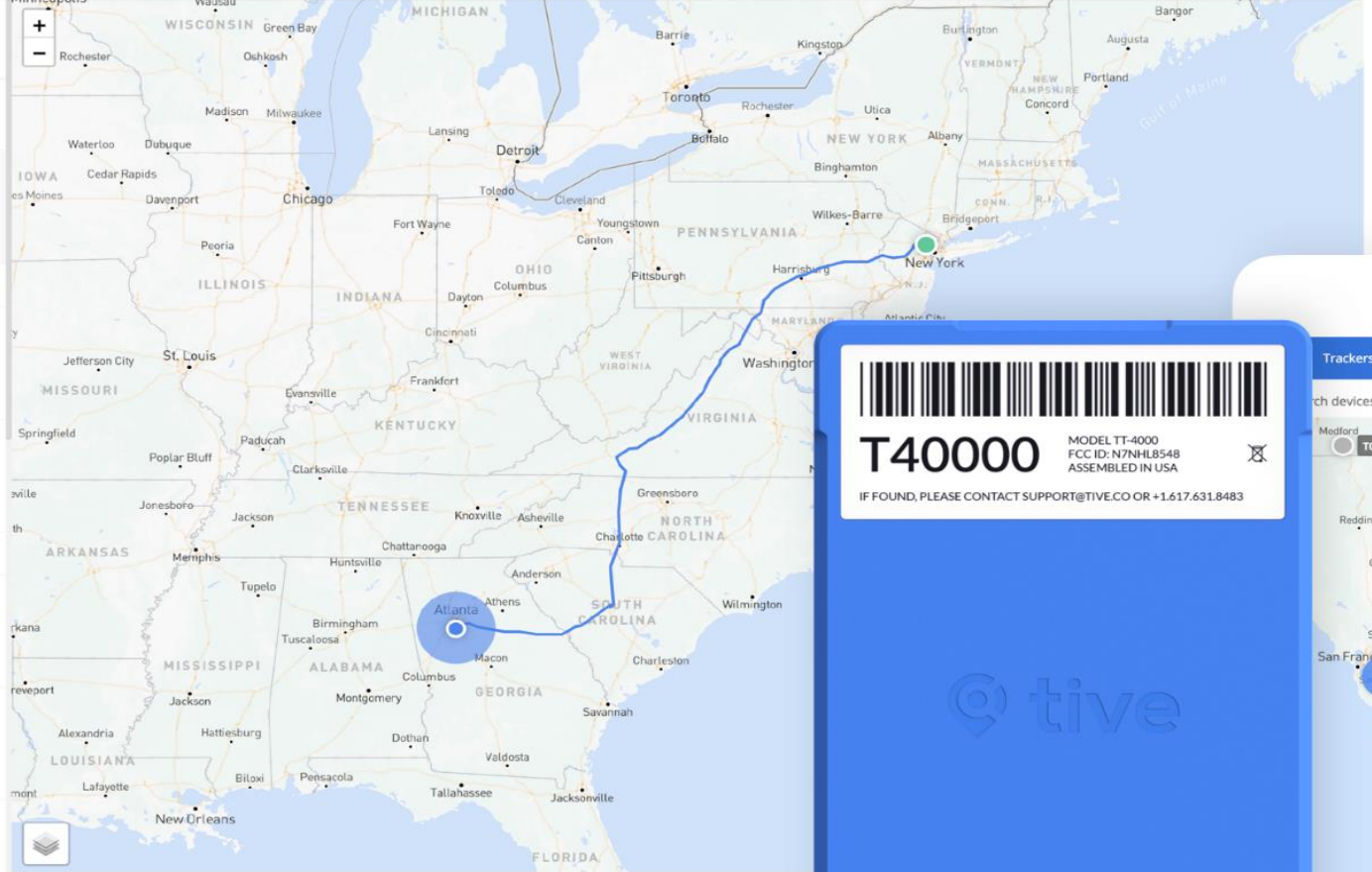
Shipment Data
Distance to Destination (miles)
~385

Estimated Time Remaining
6h

Sensors
Temperature (°F)
79.87

Humidity (%)
44.19

Pressure (psi)
14.1

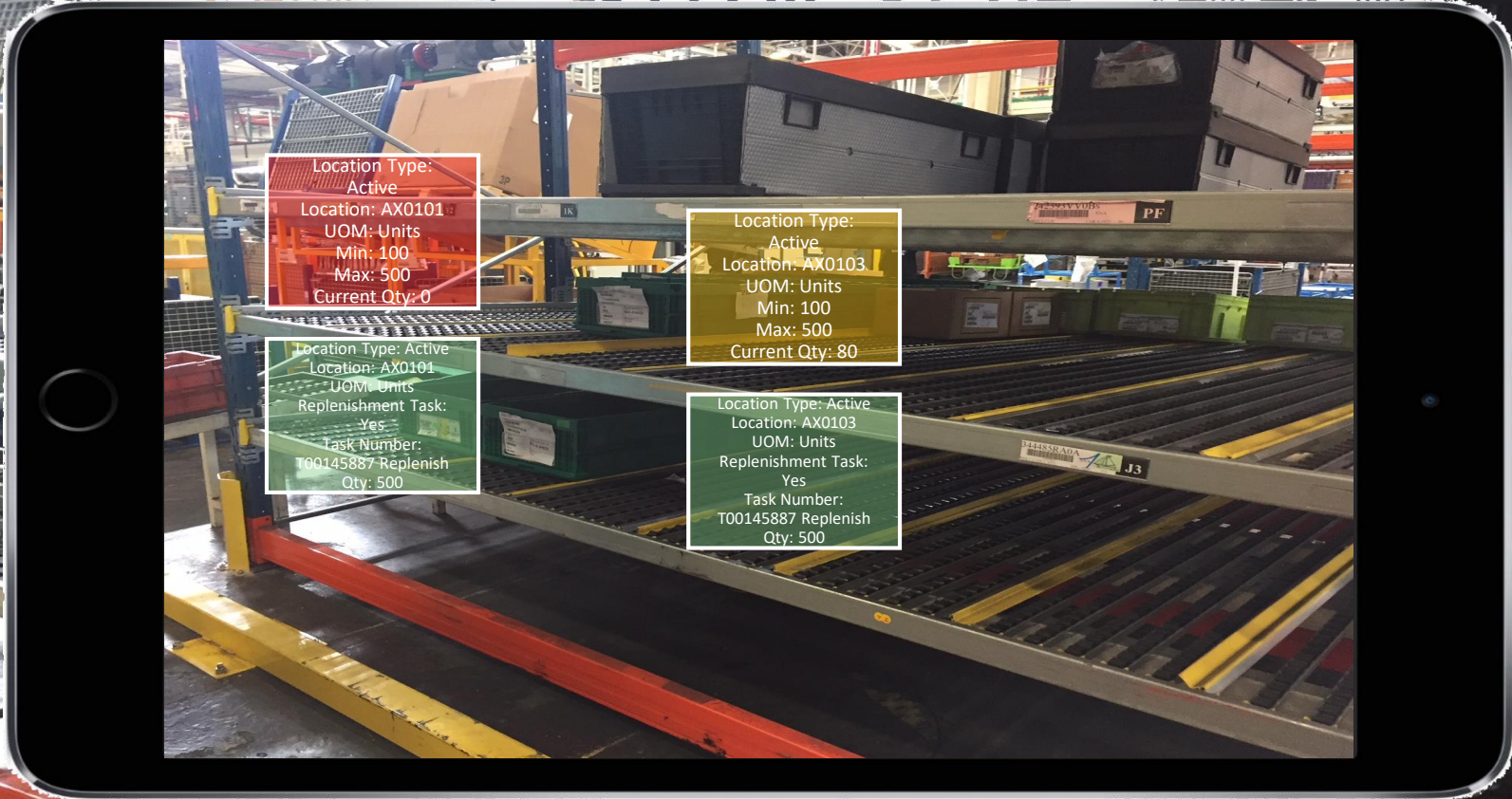




Bay: 16
In/Out: Out
Status: Complete
Priority: 1
Admin: Complete

Bay: 17
In/Out: In
Status: Arrived
Priority: 1
Special: Cold Chain

Bay: 19
In/Out: In
Status: Unloading
Priority: 2
Special: None

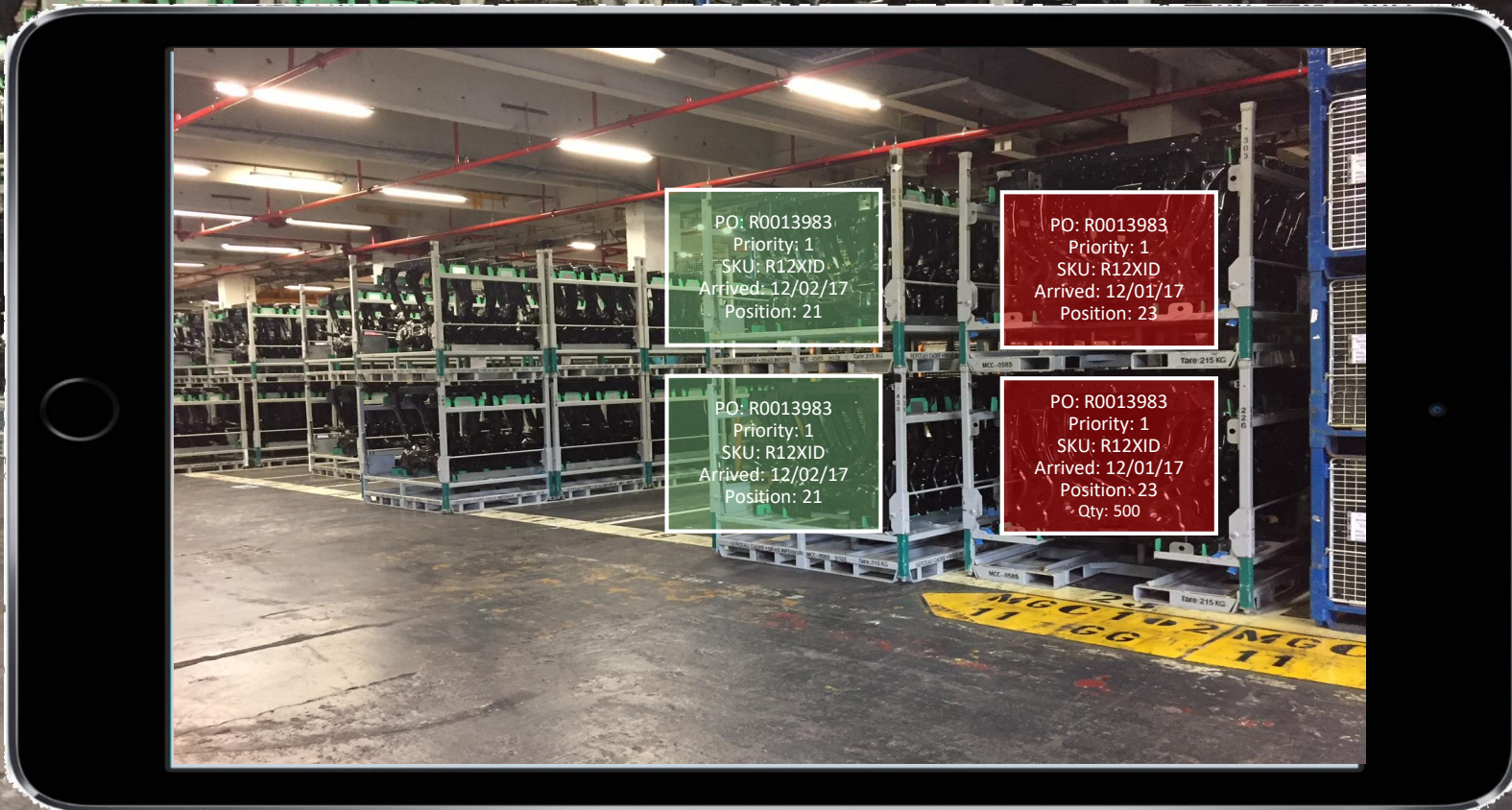
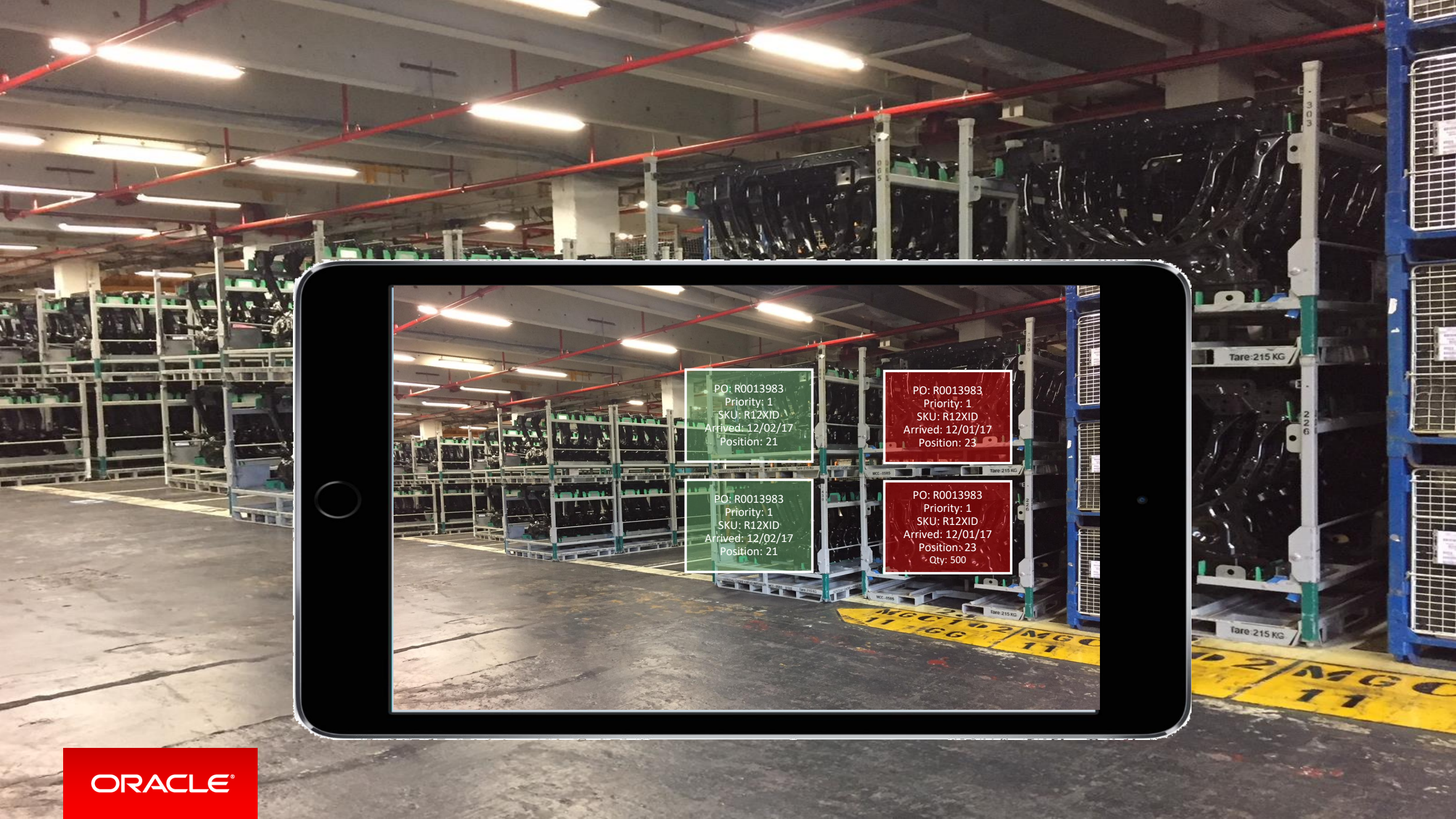


Location Type: Active
Location: AX0101
UOM: Units
Min: 100
Max: 500
Current Qty: 0

Location Type: Active
Location: AX0103
UOM: Units
Min: 100
Max: 500
Current Qty: 80

Location Type: Active
Location: AX0101
UOM: Units
Replenishment Task: Yes
Task Number: T00145887 Replenish
Qty: 500

Location Type: Active
Location: AX0103
UOM: Units
Replenishment Task: Yes
Task Number: T00145887 Replenish
Qty: 500



PO: R0013983
Priority: 1
SKU: R12XID
Arrived: 12/02/17
Position: 21

PO: R0013983
Priority: 1
SKU: R12XID
Arrived: 12/02/17
Position: 21

PO: R0013983
Priority: 1
SKU: R12XID
Arrived: 12/01/17
Position: 23

PO: R0013983
Priority: 1
SKU: R12XID
Arrived: 12/01/17
Position: 23
Qty: 500

Blockchain is Already Delivering Real Value

„We see 65% savings in time of handling paper documentations in shipments“

Lionel Louie
CCO, CargoSmart

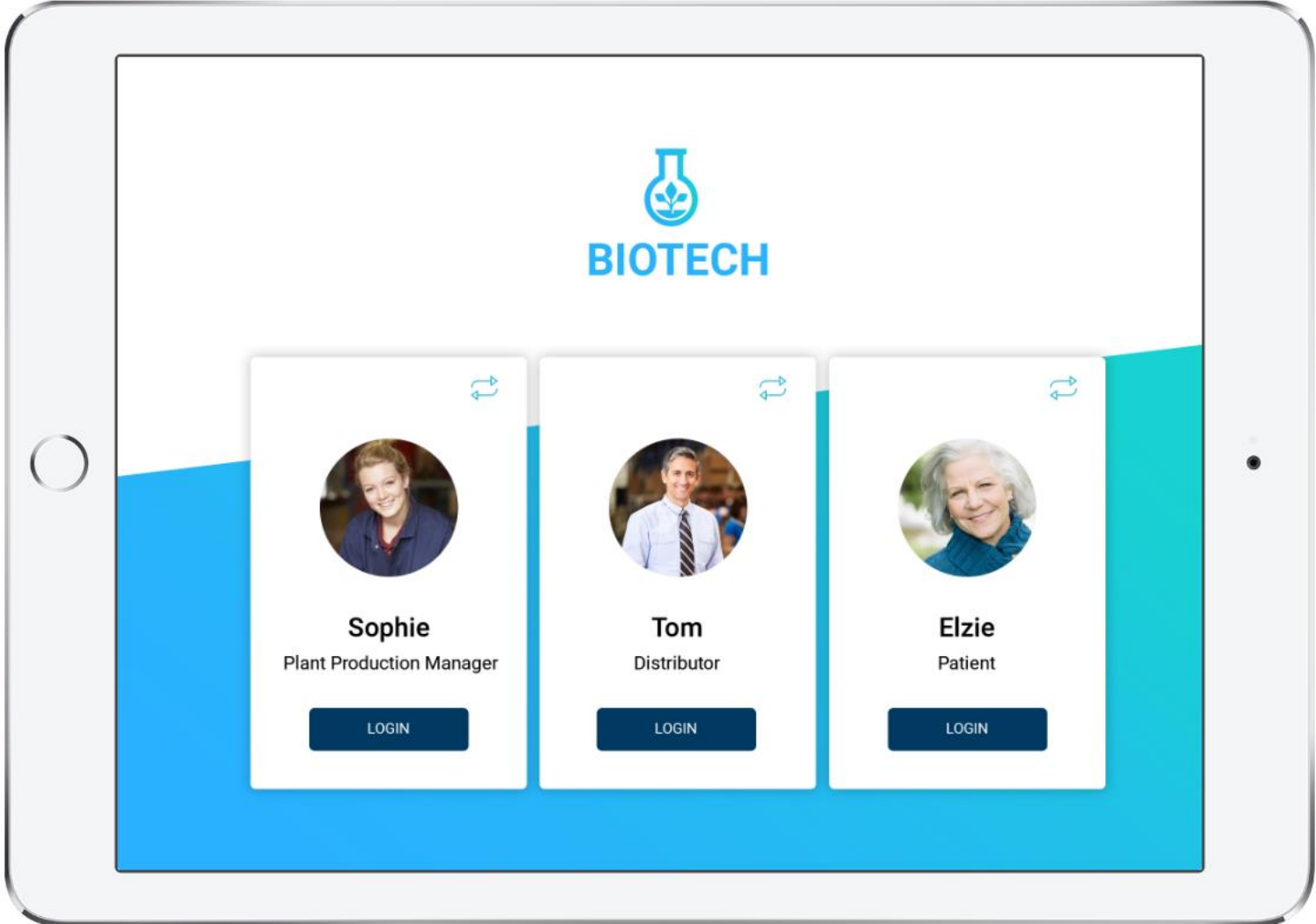
<https://youtu.be/MFg3Qe-yino>

ORACLE

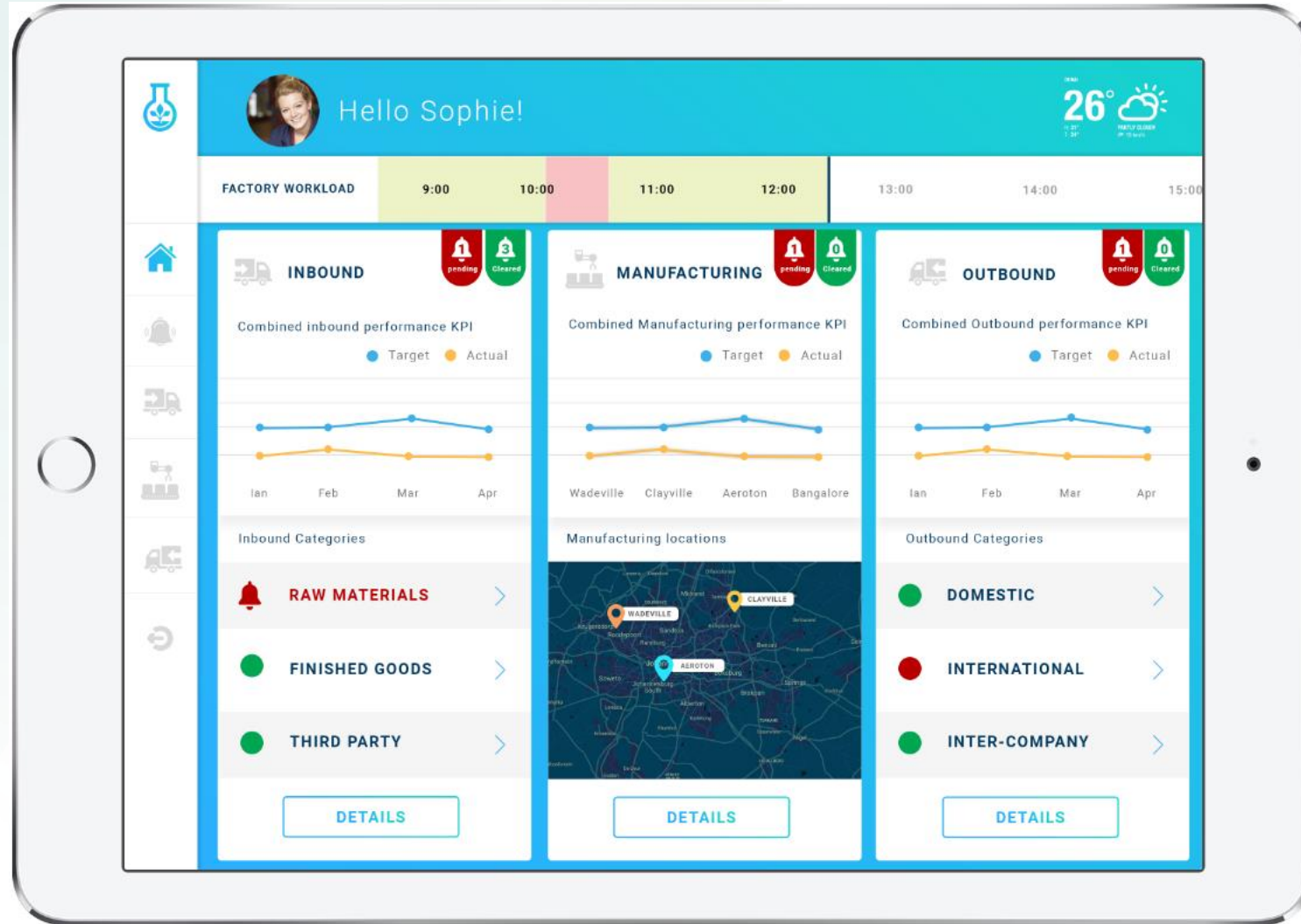
<https://youtu.be/MFg3Qe-yino>

CARGO CUTOFF DATE	PENDING ACTION	ACTION DUE DATE ↓
48 hours left Sep 1, 10:00a CST	Upload DG Certificate	Aug 25, 2:00p EST
1d 2h 3m left Sep 2, 8:00a CST	Upload DG Certificate	Aug 29, 5:00p EST
1d 2h 26m left Sep 2, 1:00p CST	Re-Upload DG Certificate	Aug 29, 4:00p EST
1d 2h 10m left Sep 2, 10:00a EDT	Upload DG Certificate	Aug 30, 3:20p EST
2d 41m left Sep 3, 2:00p PDT	Upload DG Certificate	Sep 1, 10:00a EST
3d 12h 3m left Sep 4, 3:00a CDT	Upload DG Certificate	Sep 1, 10:30a EST

Blockchain Use Case



Blockchain Use Case



Blockchain Use Case

ORDER TRACKING SUMMARY DASHBOARD

Type	Supplier	Model(s)	Due Date	Deviation	Biotech Destination	Order
Active Pharmaceutical Ingredient	Aurobindo	Sea/ Road	May 13 rd 2018	1 Day early May 12 nd 2018	Wadeville	ARB42718S

ORDER SHIPMENT DETAIL

SHIPMENT	DATE	TRANSPORT	TYPE	STATUS
Active Pharmaceutical Ingredient	13/05/2018	Sea Road	Biohazard	1 DAY EARLY NEW DUE MAY 12 TH

ROUTE

HEFEI, CHINA → SHANGHAI, CHINA → DURBAN, SOUTH AFRICA → WADEVILLE, SOUTH AFRICA

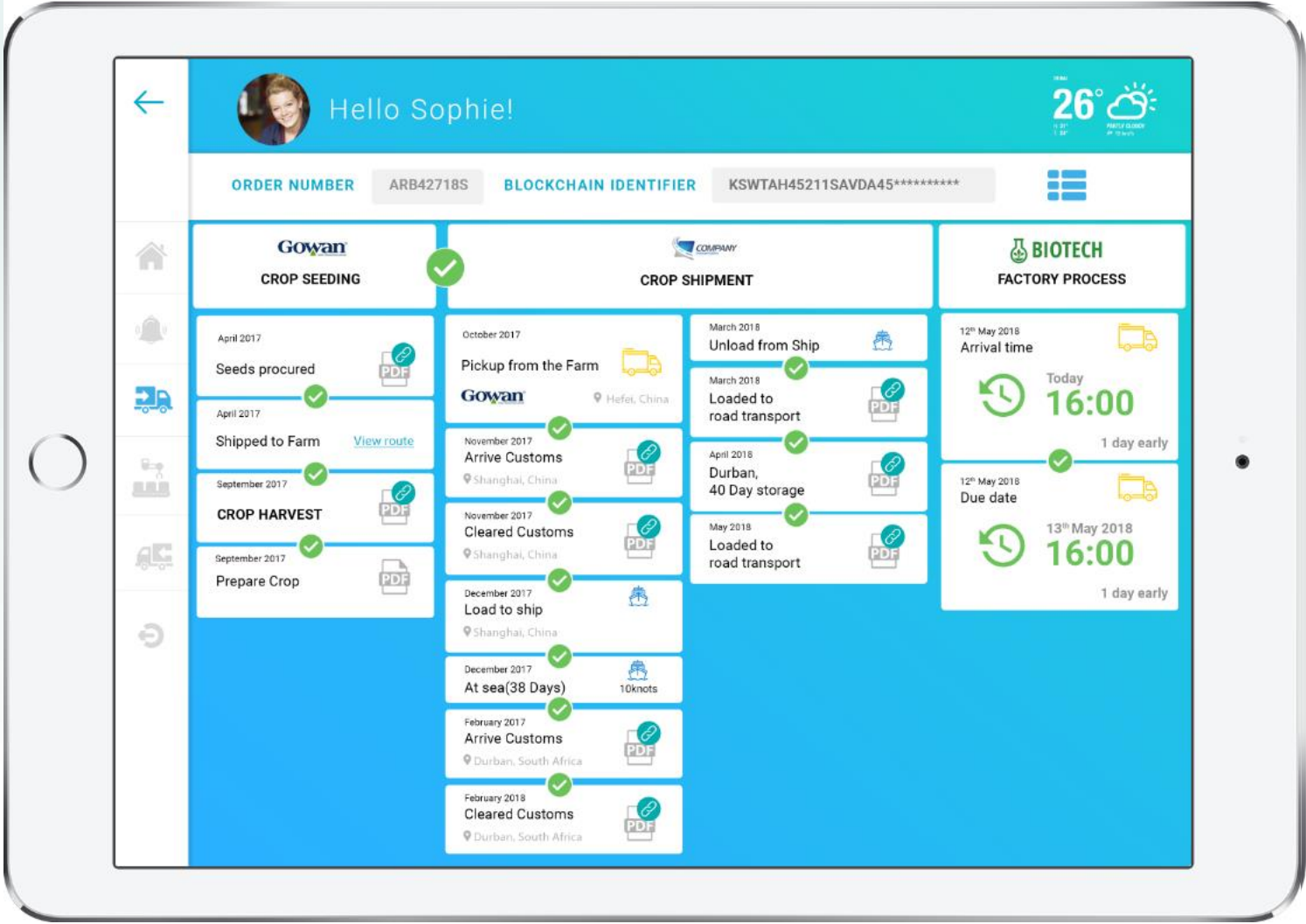
RELATED DOCUMENTS

- BILL OF LADING (PDF) 13/05/2016
- IMPORT LICENSE (PDF) 13/05/2016
- CITES CERTIFICATE (PDF) 13/05/2016
- SPECIFICATION (XLSX) 13/05/2016
- RECEIPE (XLSX) 13/05/2016

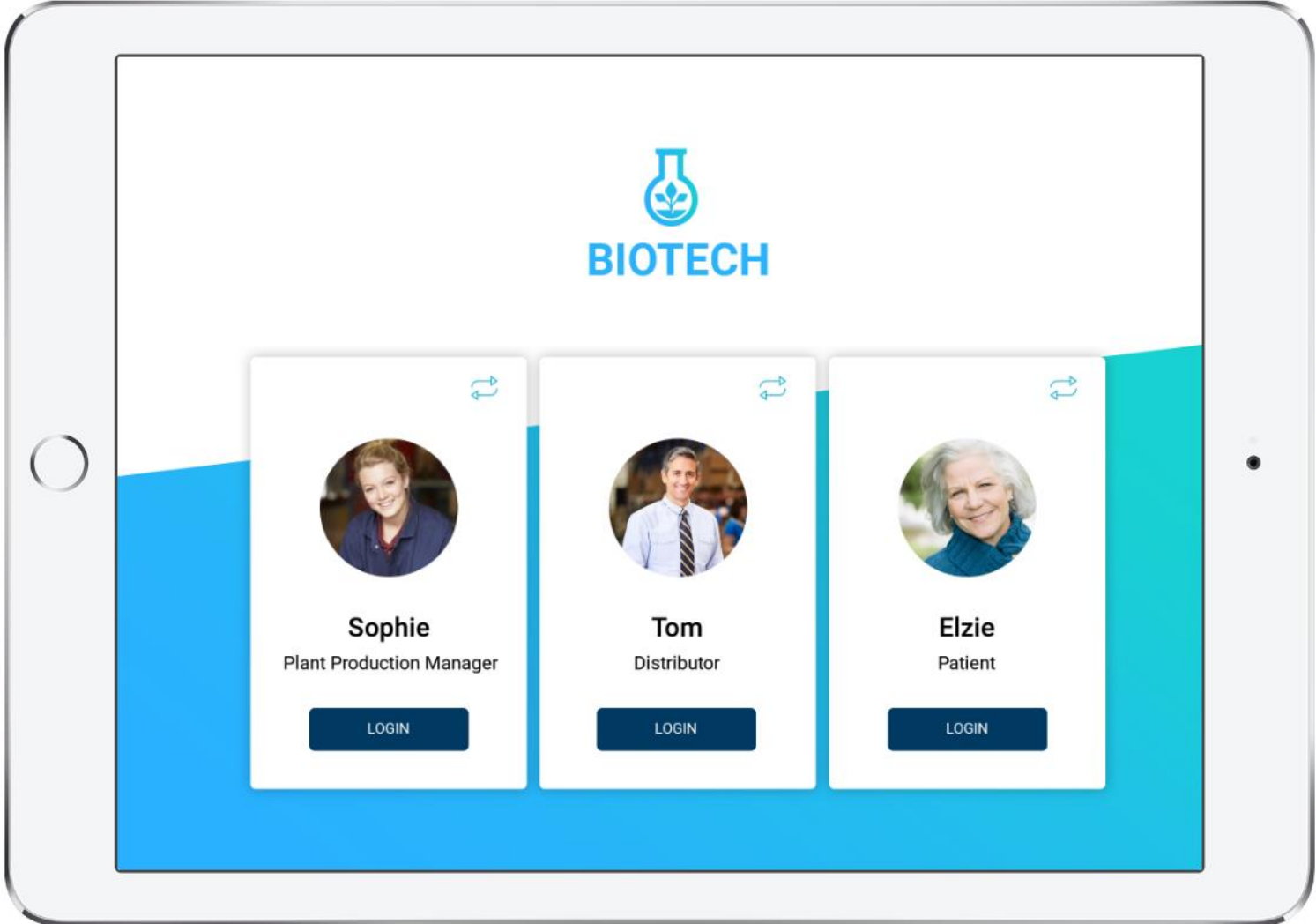
BLOCKCHAIN STATUS

Geo tracking Update
11:45
[VIEW BLOCKCHAIN](#)

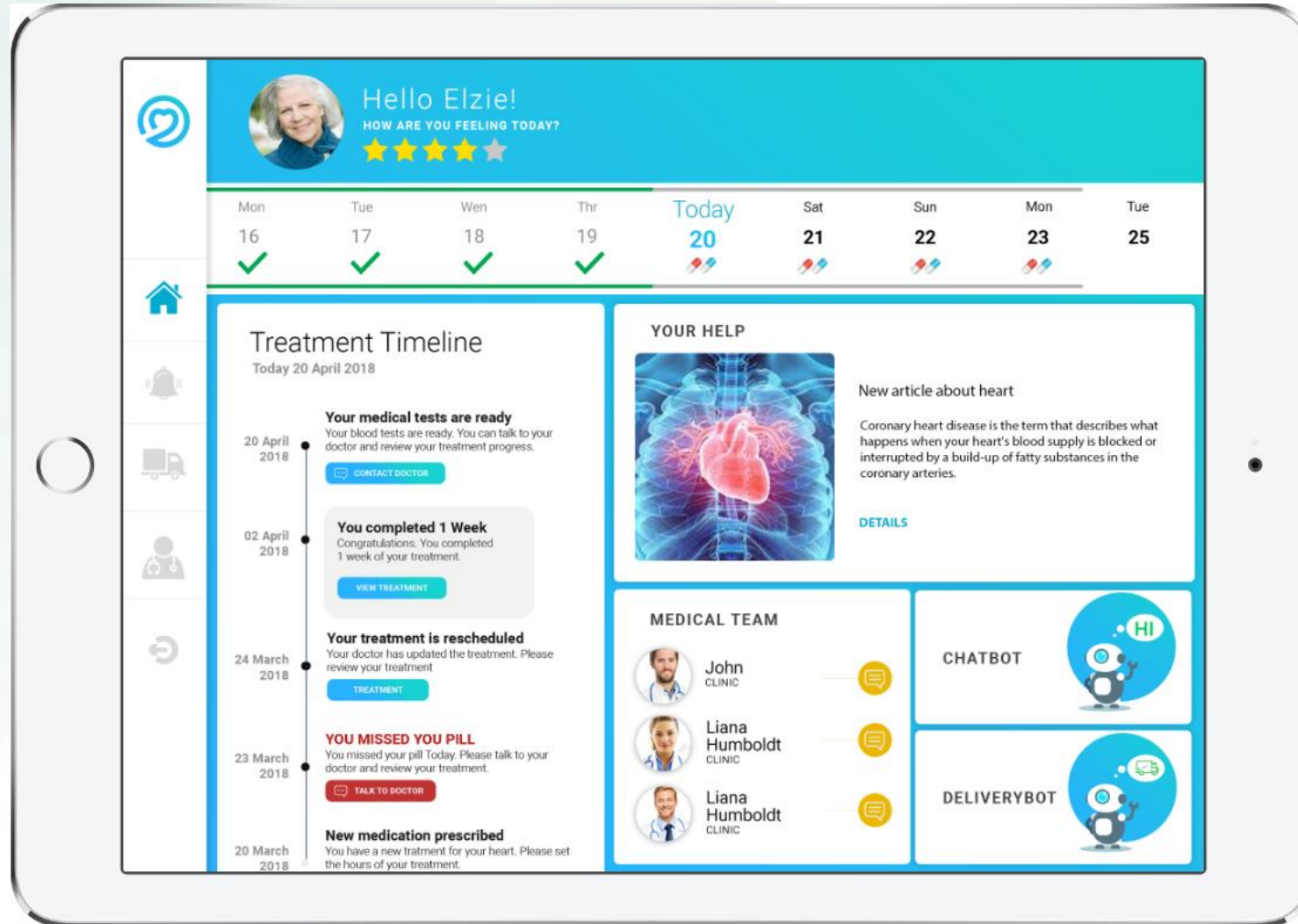
Blockchain Use Case



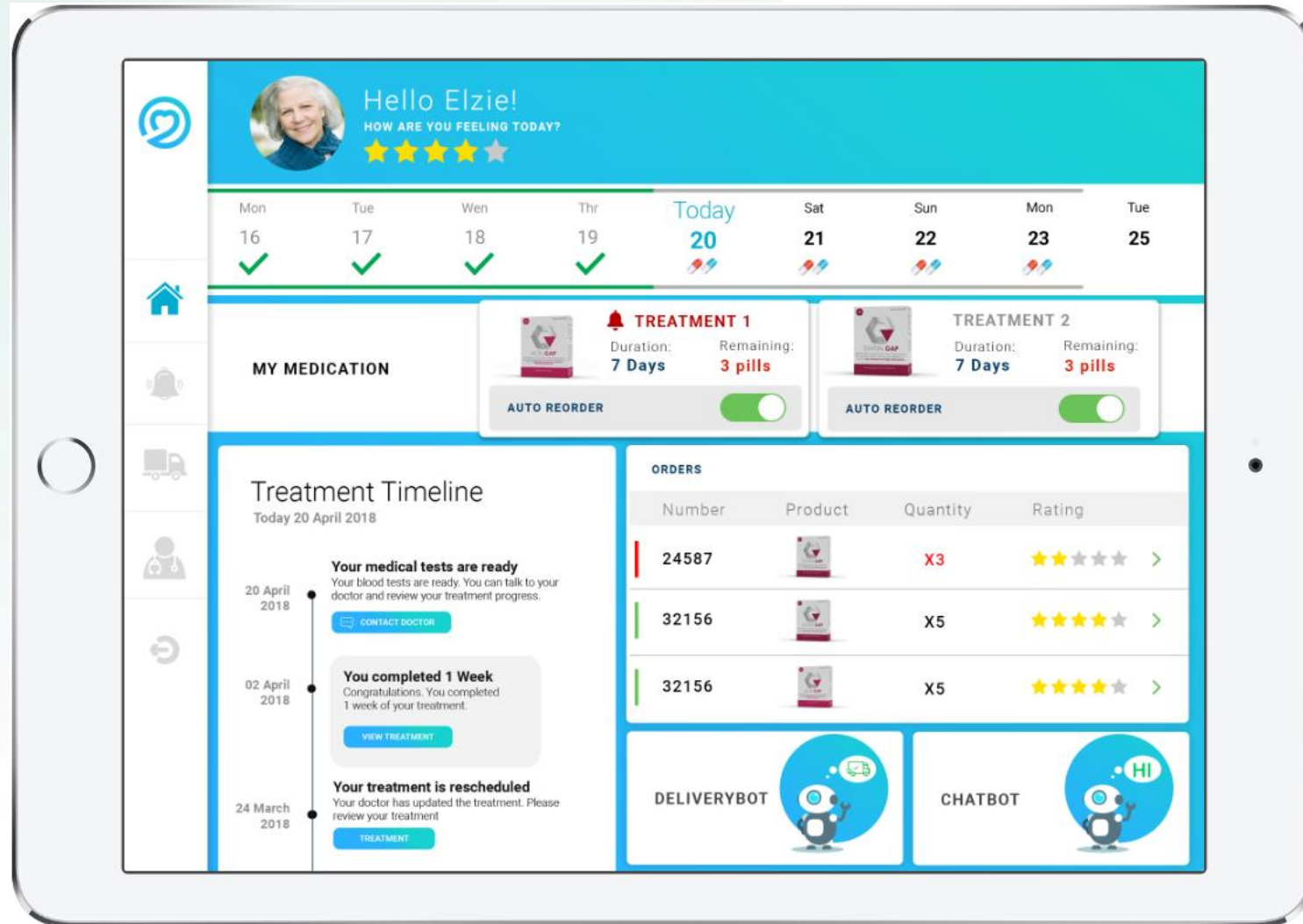
Blockchain Use Case



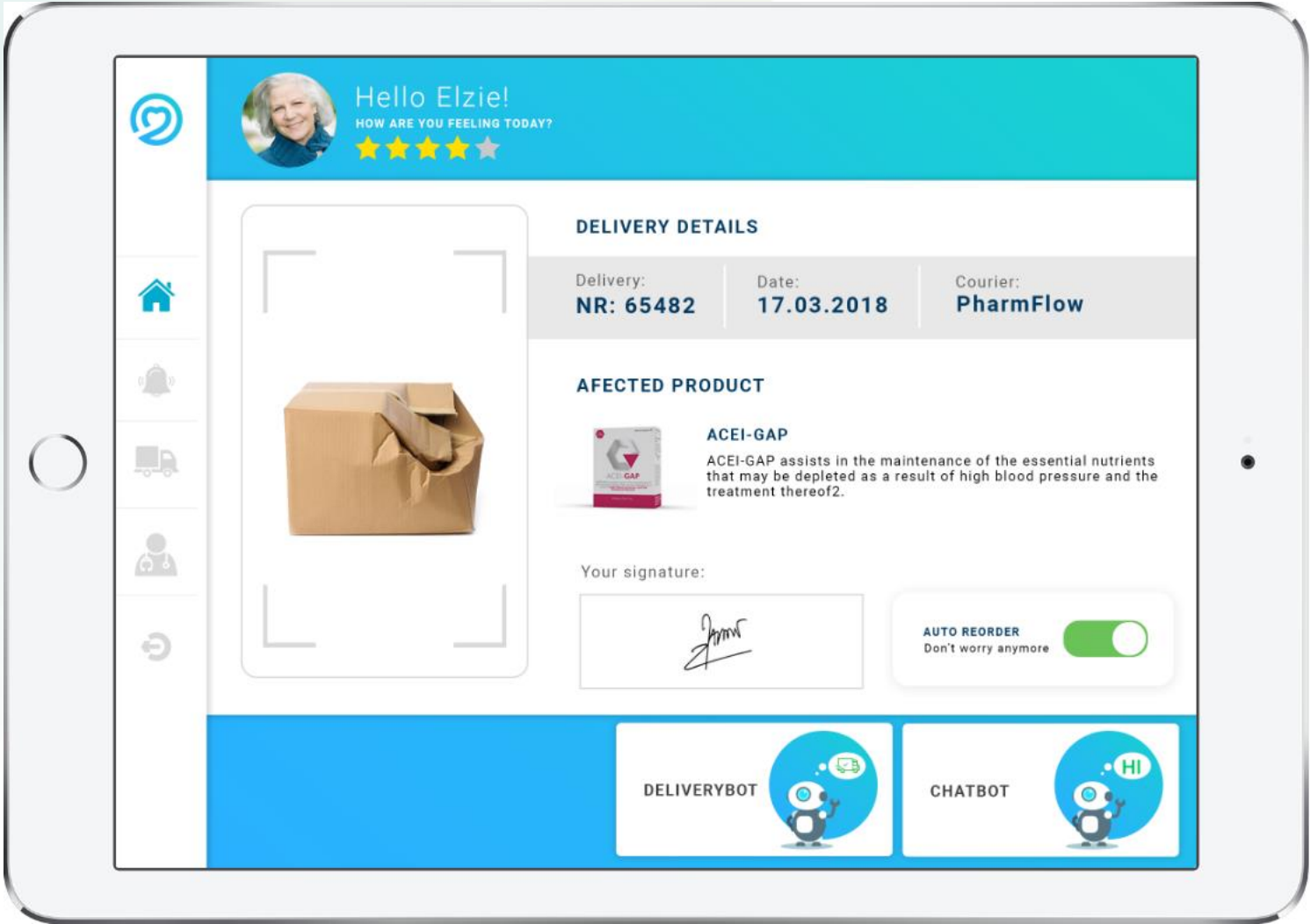
Blockchain Use Case



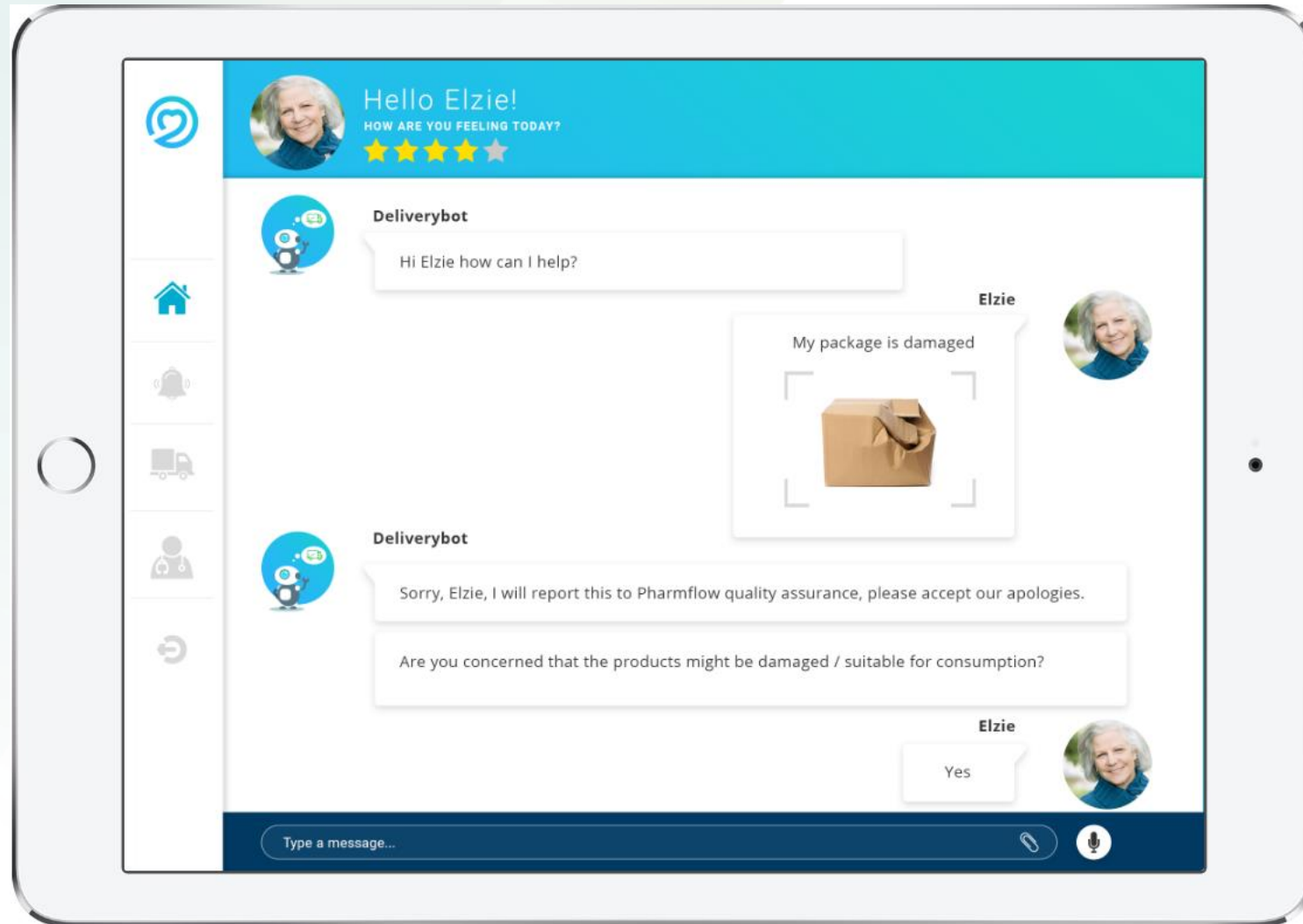
Blockchain Use Case



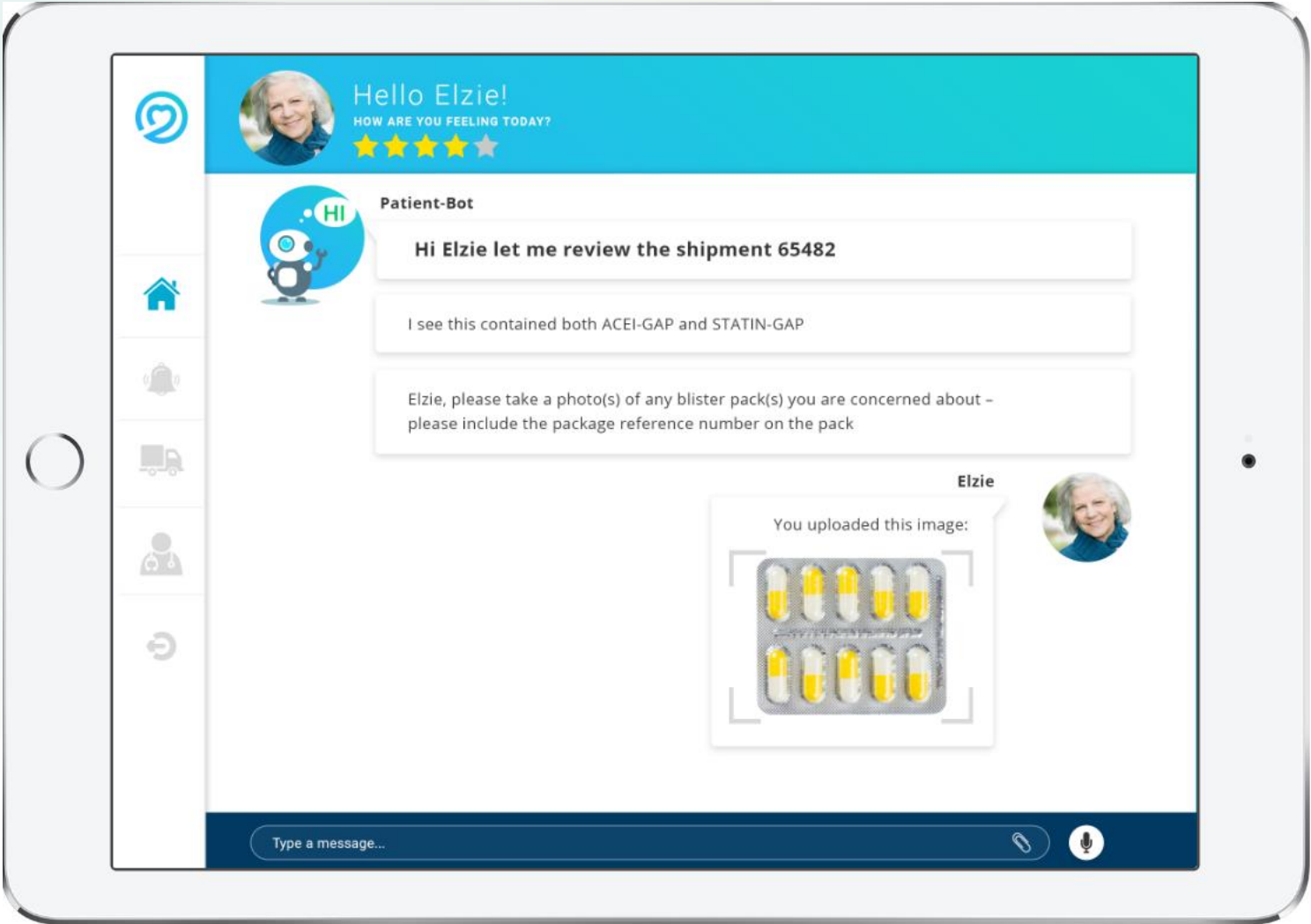
Blockchain Use Case



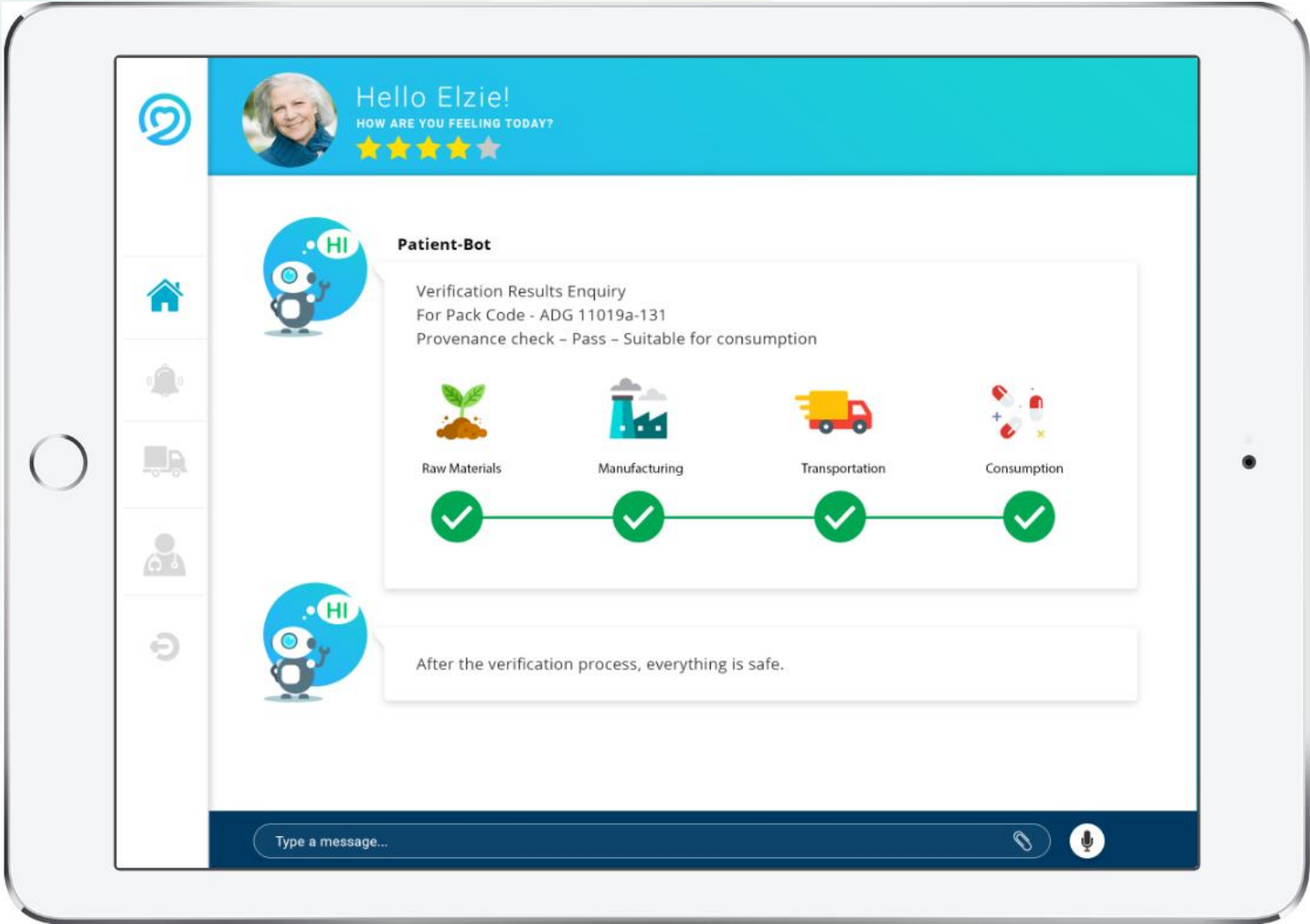
Blockchain Use Case



Blockchain Use Case



Blockchain Use Case



Summary

1 DISRUPTION WILL REMAIN
A BUSINESS CONSTANT

2 FOCUS ON THE BUSINESS
OUTCOMES, NOT THE TECH

3 CUSTOMER SERVICE
IS THE ONLY KPI



Integrated Cloud

Applications & Platform Services

ORACLE®