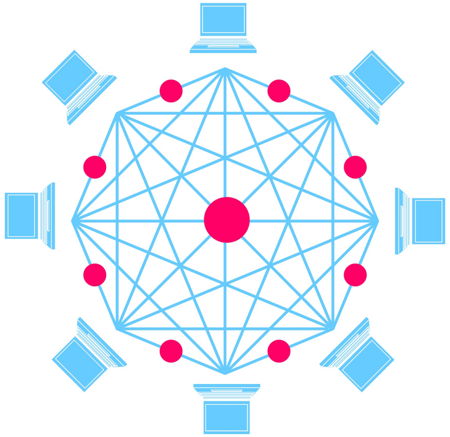
RFID JOURNAL

DIGITAL SUMMIT

MAY 10 - 13, 2021

AIM Panel: Blockchain Technology in Supply Chain Traceability Systems



Moderator: Julie McGill, VP Supply Chain Strategy & Insights, FoodLogiQ

Panelists: Raghu Bala, CEO, NetObjex & Tony Fonk, CEO, SpotSee

aim FoodLogiQ® netObjex Powering the Internet of Things™ SpotSee®

About AIM

- AIM is an industry alliance that represents any organization that uses, implements, resells, or develops technology around bar coding, RFID, and/or mobility technology.
- AIM is essential to enabling adoption, growth and interoperability related to Automated Data Capture technologies and the enterprises that use this technology in the marketplace.
- AIM is an unbiased, global alliance representing more than 300 organization worldwide.

Meet the Speakers

Julie McGill
VP Supply Chain Strategy & Insights
FoodLogiQ®

Raghu Bala
CEO
netObjex
Powering the Internet of Things™

Tony Fonk
CEO
SpotSee®

Julie McGill, VP Supply Chain Strategy & Insights, FoodLogiQ

- Julie McGill is the Vice President of Supply Chain and Insights at FoodLogiQ, a leading SaaS provider of food safety compliance, traceability, and supply chain transparency solutions.
- In her role, Julie works with leadership to advise on industry, regulatory, customer, and product insights to improve market adoption and penetration, customer satisfaction and value generation.
- She supports FoodLogiQ teams and customers on evolving industry activity including regulatory, standards, traceability and food safety.

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Tony Fonk, President and CEO of SpotSee

- Tony brings 22 years of international business experience in developing and executing innovative product, service, and channel strategies
- He previously worked for Johns Manville, Stock Building Supply, and Ingersoll Rand
- Tony has attended executive education programs at Harvard Business School and holds a BS degree in advertising from the University of Kansas
- He is a certified Lean Six Sigma BlackBelt
- Tony is currently serving a 2-year term seat on the AIM Board of Directors

Global Shipping Damage

- $115 trillion of goods are shipped annually.
- Global cost of shipping damage is approximately $2.3 trillion.
- Physical damage is responsible for 43% of shipping insurance claims.
- Products are typically handled 10x during shipment.

SpotSee can reduce shipping damage by 40-60%

Meeting The Challenge: SpotSee

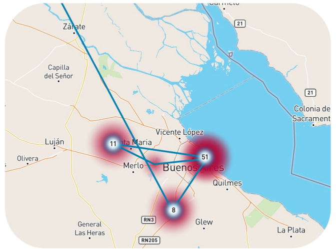
1974
Glass tube helps customers detect & deter shipping damage.

SpotSee
ShockWatch
WARNING
HANDLE WITH CARE

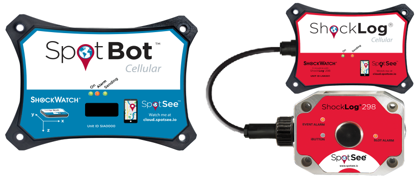
1995
ShockLog - first precision shock recording instrument.

ShockLog 298
EVENT ALARM
iBUTTON
SLOT ALARM
SpotSee
www.spotsee.io

2015-2016
Connectivity with ShockLog Satellite. Purchases MVNE.


Zárate
Capilla del Señor
Luján
Merlo
Vicente Lopez
Quilmes
Glew
La Plata
Colonia del Sacramento

2017-2018
SpotSee rebranding. Expands connected portfolio.


SpotBot
Cellular
ShockWatch
SpotSee
ShockLog
ShockLog 298

2019
First RFID connectivity.

Patent # 8,234,994
ShockWatch RFID
A123456
INSPECT IF RED
15G
www.spotsee.io

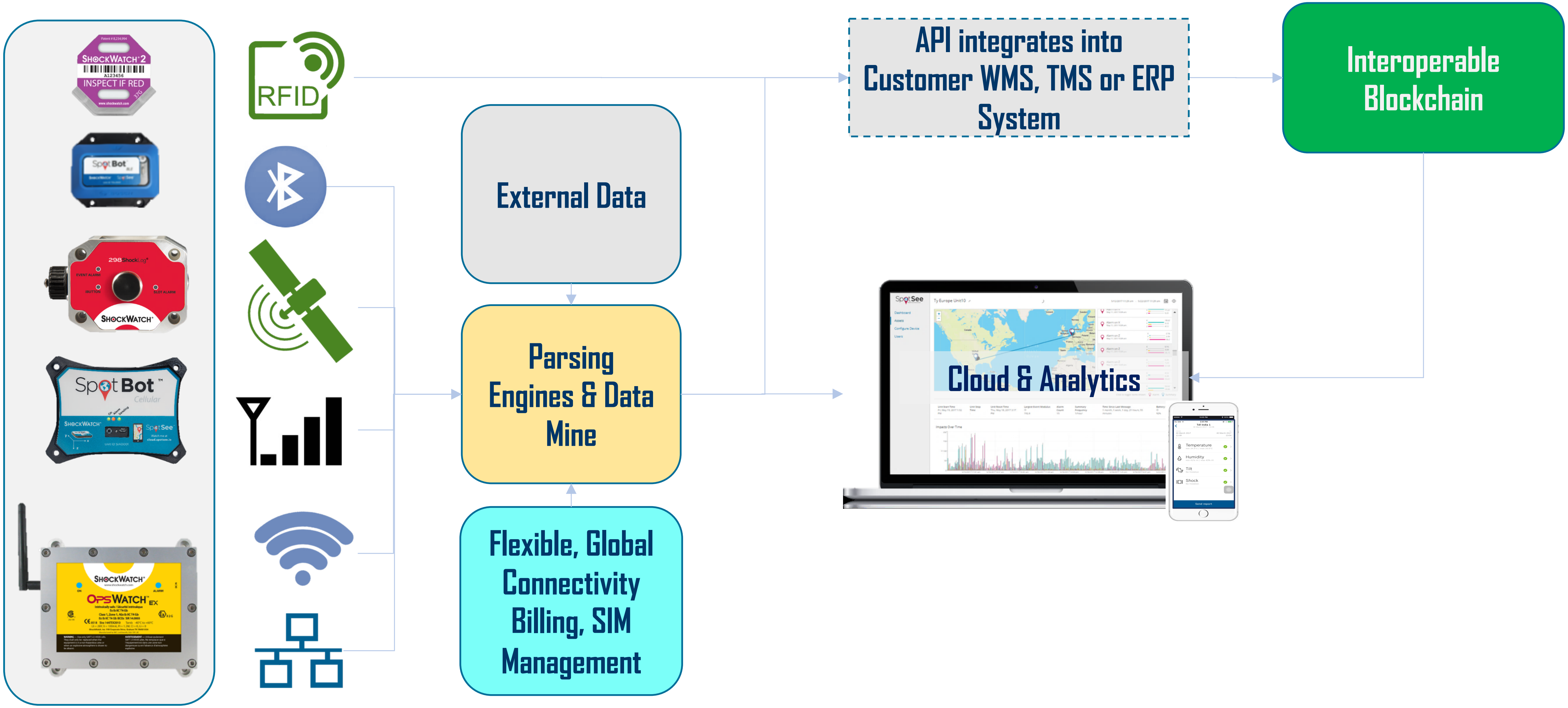
2020
SpotSee Acquires Hallcrest Companies. Parent of Thermax Brand temperature indicators.

TMCHallcrest

LCRHallcrest

THERMAX
°C
82
°F
180

Monitoring solutions for everything from Vaccines to Spaceships


SHOCKWATCH 2
INSPECT IF RED
Spot Bot
298 ShockLog
SHOCKWATCH
Spot Bot Cellular
SpotSee
SHOCKWATCH
OPSWATCH EX
RFID
SpotSee
Temperature
Humidity
Tilt
Shock

External Data

Parsing Engines & Data Mine

Flexible, Global Connectivity Billing, SIM Management

API integrates into Customer WMS, TMS or ERP System

Interoperable Blockchain

Cloud & Analytics

Vaccine Example: Cost / benefit of getting to a “block” of data.

L	Low Cost
M	Med Cost
H	High Cost

Truck

H	Cellular (hardware + usage)
H	BLE (Requires Re-usable Infrastructure)
H	Other Module + Battery

Shipper

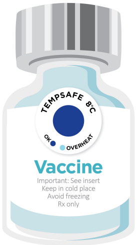
ULINE
RUSH! PERISHABLE
PERISHABLE

L	Passive RFID (Batteryless) Sensor
M	Active RFID with Battery
H	BLE (Requires Re-usable Infrastructure)

Box

L	Passive RFID (Batteryless) Sensor
L	Barcode (labor intensive)
M	Active RFID with Battery

Vial

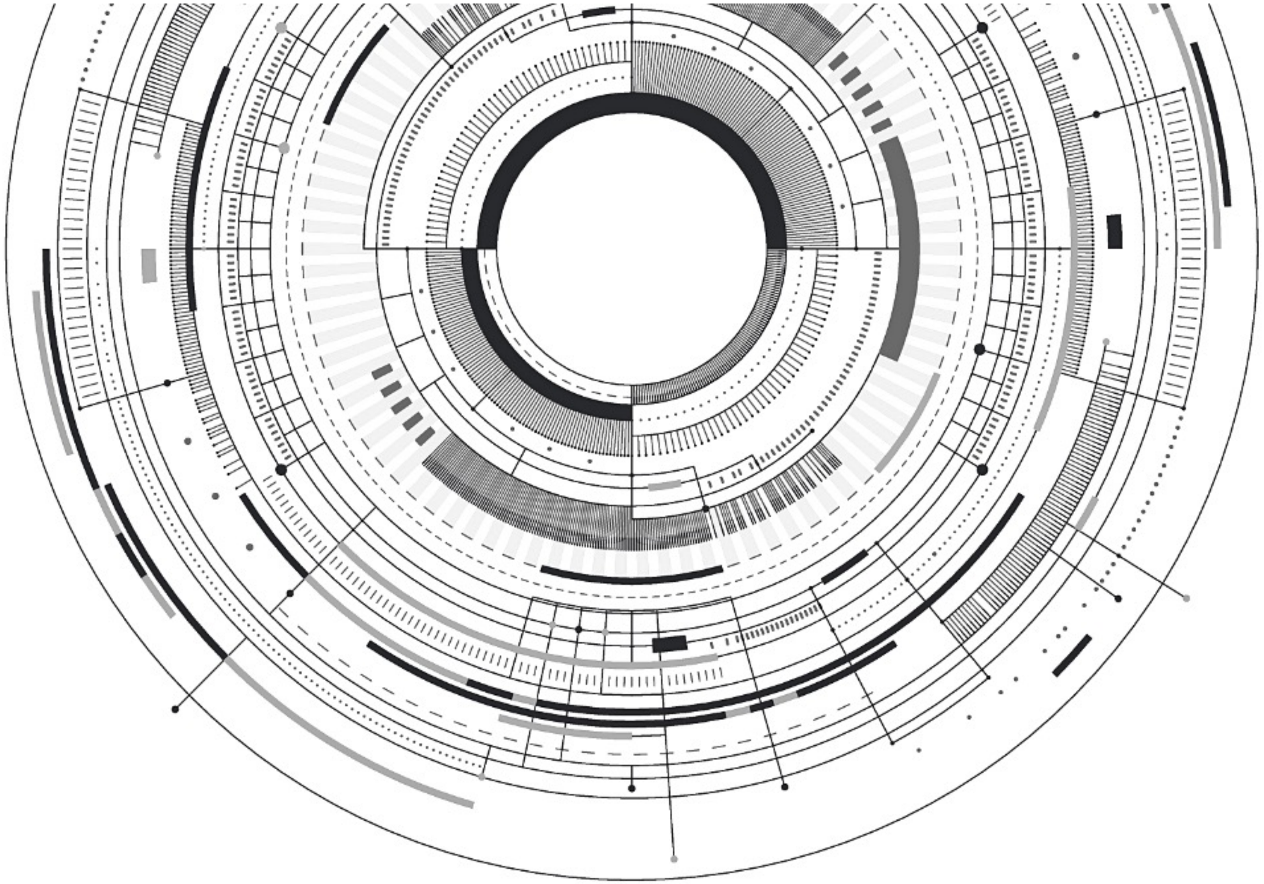

TEMPSAFE
Vaccine

L	Passive RFID (Batteryless) Sensor
L	Barcode (labor intensive)

Raghu Bala, CEO, netObjex

RFID Journal Digital Summit

Presenter: Raghu Bala



ROLE OF RFID
IN
DECENTRALIZED COMPUTING

netObjex
Powering the Internet of Things™

Last mile role in the bigger picture of Supply Chain

netObjex
Powering the Internet of Things™

Top Concerns of Supply Chain

Cost

Technology $$$$

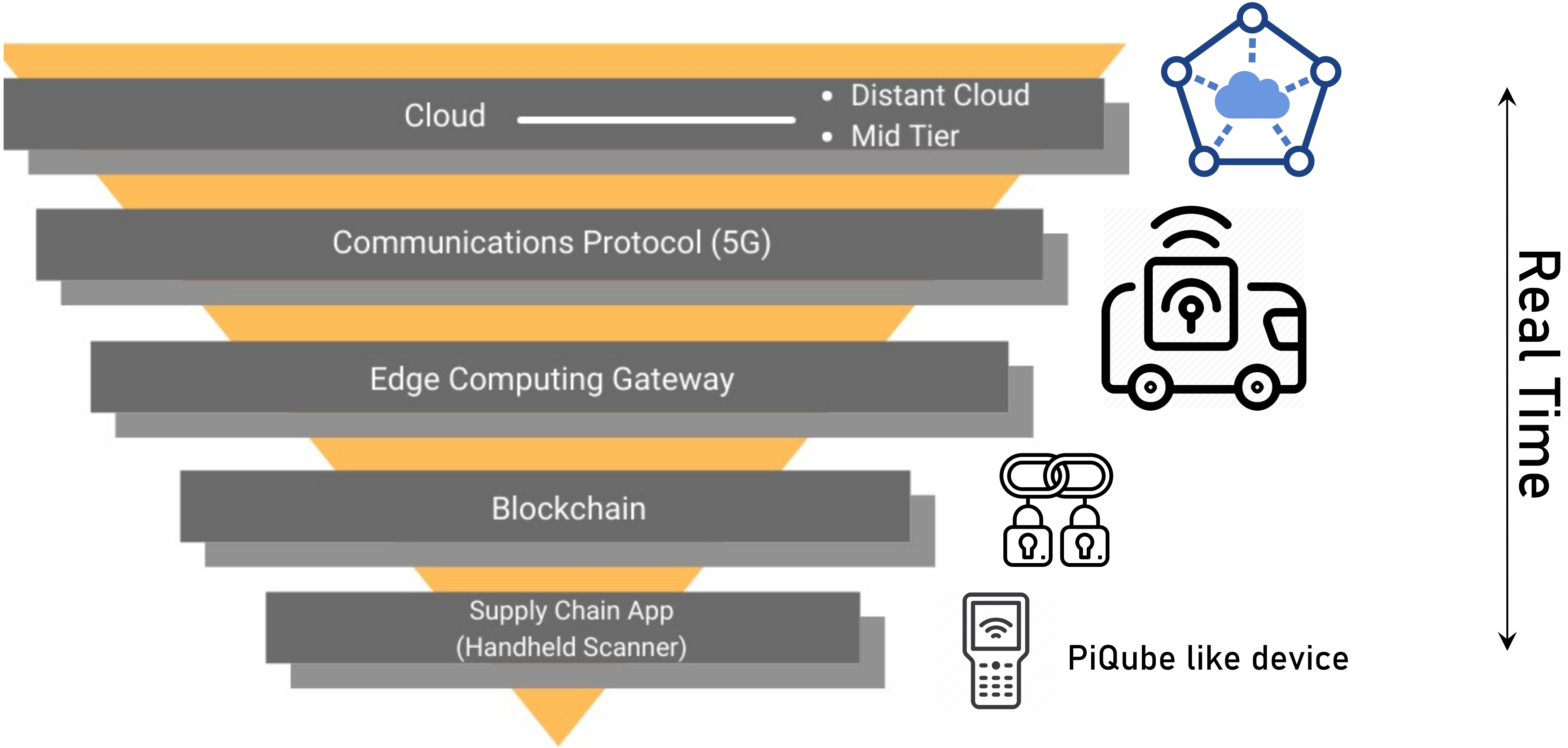
Fraud

Pilferage / Fraud Docs

Accuracy

Investment $$$

Technology as Continuum

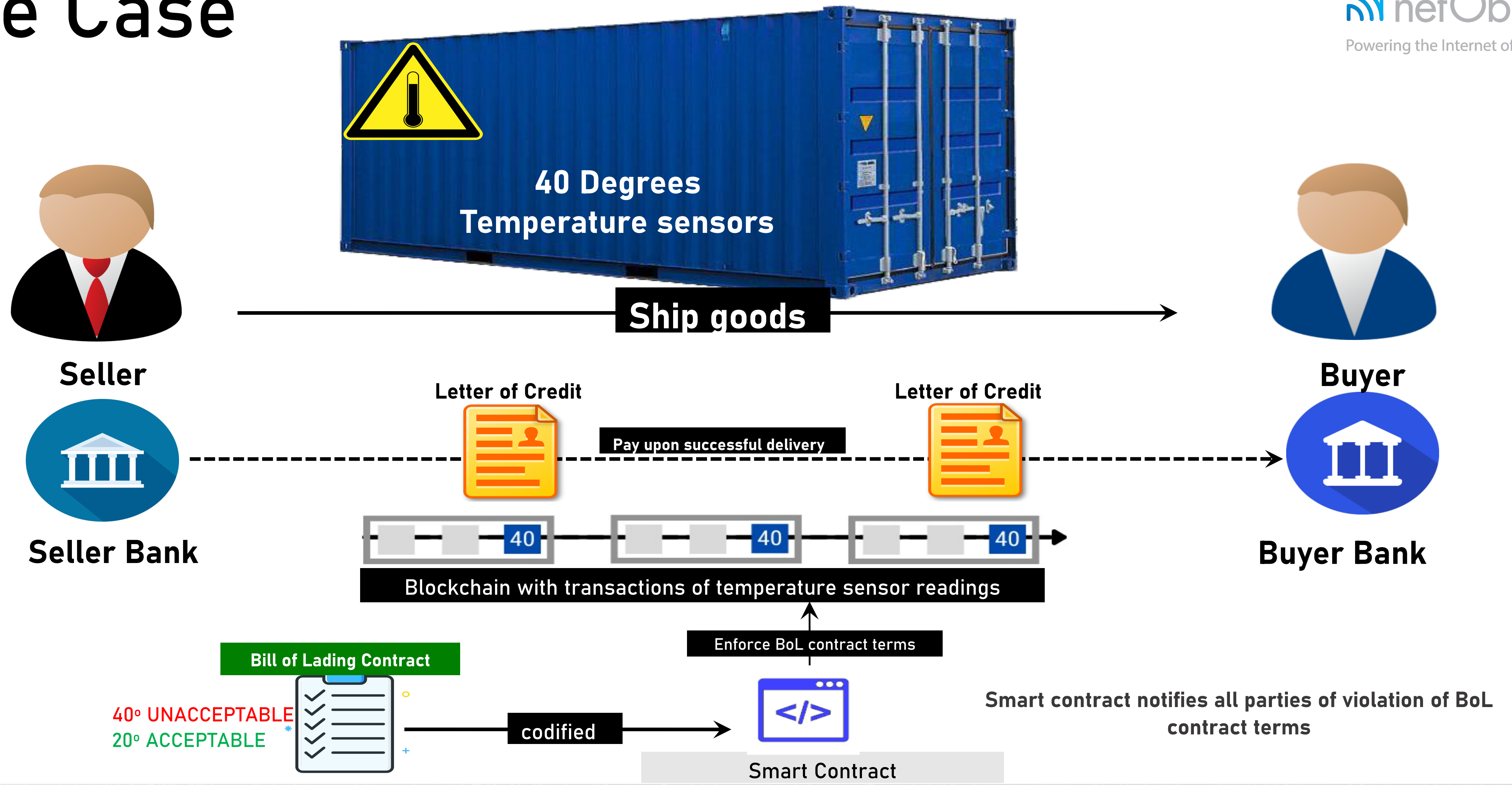


- Cloud
  - Distant Cloud
  - Mid Tier
- Communications Protocol (5G)
- Edge Computing Gateway
- Blockchain
- Supply Chain App (Handheld Scanner)

PiQube like device

Real Time

Use Case



40 Degrees
Temperature sensors

Ship goods

Seller

Buyer

Letter of Credit

Pay upon successful delivery

Letter of Credit

Seller Bank

Buyer Bank

40 40 40

Blockchain with transactions of temperature sensor readings

Enforce BoL contract terms

Bill of Lading Contract

40° UNACCEPTABLE
20° ACCEPTABLE

codified

Smart Contract

Smart contract notifies all parties of violation of BoL contract terms

Contact the Speakers

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Contact AIM

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THANK YOU

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