



Smart Supply Chain Solution

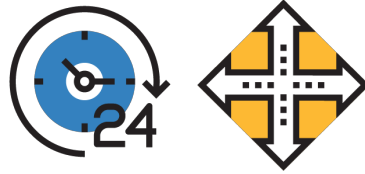
End-to-end supply chain visibility solution



About Roambee



Roambee provides real-time global monitoring and visibility services for in-transit goods and field assets.



On-demand business model with no up front investment, **flexible and scalable** to your needs.

Roambee Offices

Santa Clara, Seattle (USA), Mexico City (Mexico), Düsseldorf (Germany), Mumbai (India), Durban (South Africa), Sao Paulo (Brazil), Dubai (UAE), Kuala Lumpur (Malaysia)



Founded in 2013, a team with **decades of distribution & logistics domain experience** including multi-code barcode, RFID, Wi-Fi, Bluetooth, GPS, GSM, Enterprise Application integration, and cloud application development experience in multi-national corporations and successful start-ups.

Series A Investor



Series B Investor



How to choose the right IoT vendor?

5 Pillars For Your IoT Success



Trusted source of data

- **Choose your Bee:** Portable sensor Bees for shipments or assets, OBDII based BeeFleet for vehicle monitoring, or Mobile as a Bee as gateways.
- **Add Granularity:** BeeBeacons for package or zone level visibility indoors or in yards (Works with Bees)
- **Add Security:** BeeLock for security and keyless control (Works with Bees)
- Up to 3 years of battery life
- Multi-sensor support
- Covert backup battery
- Shipments, assets, warehouses, open yards, in-field, last-mile



Seamless Data Connectivity

- GPS signal boosting
- Global multi-telecom roaming
- Bluetooth Low Energy (BLE)
- Wi-Fi
- Devices log data and buffer when needed
- LoRa (Future)
- NB-IoT (Future)



AI Analytics Platform

- Integrated visibility: Indoors, outdoors, in-transit
- Foresights & Insights using analytics
- Business rules & decision engine (UI/API)
- Secure single sign-on multi-user role based
- Cloud agnostic
- Enterprise ecosystem: APIs
- Automated ePOD
- Mobile apps



On-Demand Business Model

- Pay-As-You-Go (No Capex)
- Device reverse logistics options
- Bees, BeeFleet, and BeeLock are rechargeable, returnable or reusable
- BeeBeacons are returnable, reusable, or disposable



24x7 Control Tower

- Global 24/7 Network Operations Center (NOC)
- Putting intelligence to action
- Trained frontline experts

Real-time Monitoring - Indoors, Outdoors, and In-Transit For Your Enterprise Goods & Assets Worldwide



BEE CENTRAL (24X7 NETWORK OPERATIONS CENTER)

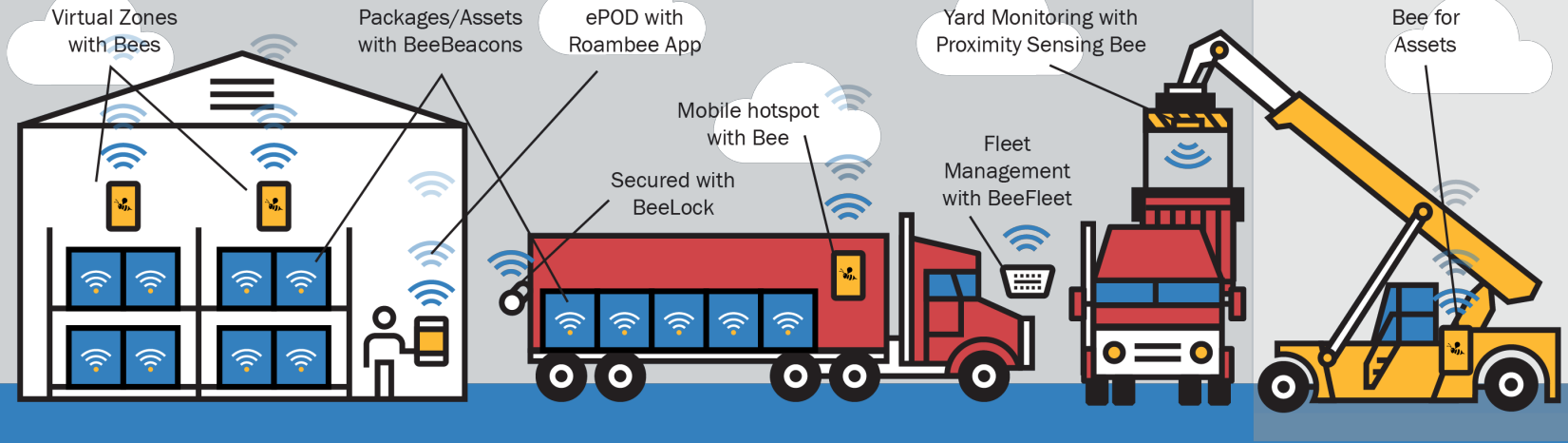
Puts intelligence into action for operational efficiency



HONEYCOMB (IOT API PLATFORM)

Processes Bee and 3rd Party data into actionable intelligence for better decisions

Bees collect across your enterprise and from important 3rd-party data streams to provide "the complete picture"



INDOOR

IN TRANSIT

OUTDOOR

SUPPLY CHAIN SOLUTIONS

ASSET SOLUTIONS

The Bee



- Rugged, wireless device
- Full array of sensors
- Used on Land, Ocean and Air
- GPS + Cellular triangulation+ LBS
- The industry's **first** in-transit, battery operated BLE/Wi-Fi/GSM hotspot



Humidity



Temperature



Light



Tampering



GPS Jamming



Shock



90-Day upto 3-Year Rechargeable Battery



IP65 Rated Device



Real-Time Location



Pressure

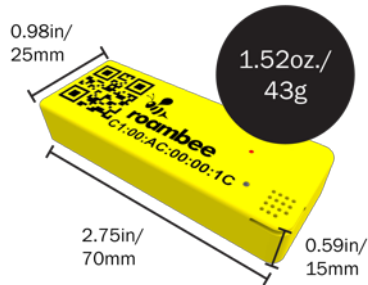
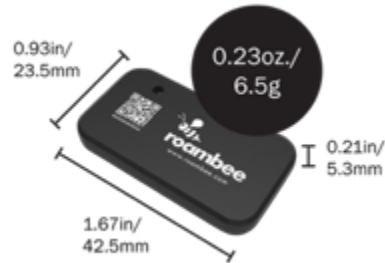


Motion



Camera (optional)

BeeBeacons



- Configurable IoT sensors - Bluetooth Low Energy (BLE) based discreet, lightweight wireless package/pallet monitoring device
 - Location reporting through the Roambee Bee or Smartphone
 - Sensor data logging with 11,000 readings buffer capacity
- NIST traceable and 3-point calibration certificate of validation for pharma and cold chain applications, available on request
- Non Lithium Ion AAA battery for shipment compliance
- IP 66 Rated
- Disposable, reusable, or returnable



Up to 3 year
battery life



Temperature



Tamper alert



Ambient Light



Humidity and Pressure



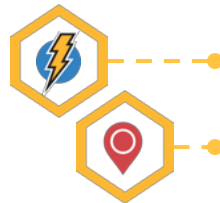
Tilt/Shock

Dedicated Fleet management

BeeFleet



- Small, durable, Bee plugs into a vehicle's OBDII port and transmits real-time location & sensor data including acceleration & shock
- Utilize instead of or in addition to Bees
- Rugged and water resistant
- Compatible across industry OBD II Protocols



Shock

Location



Acceleration

VIN Identification

Additional Security BeeLock



- Keyless access wirelessly through an assigned mobile phone in close proximity
- Opens on demand, get “last seen” location and unlock/lock status
- To release end of Q1 2019



Tampering



User Identification



Location



Access History

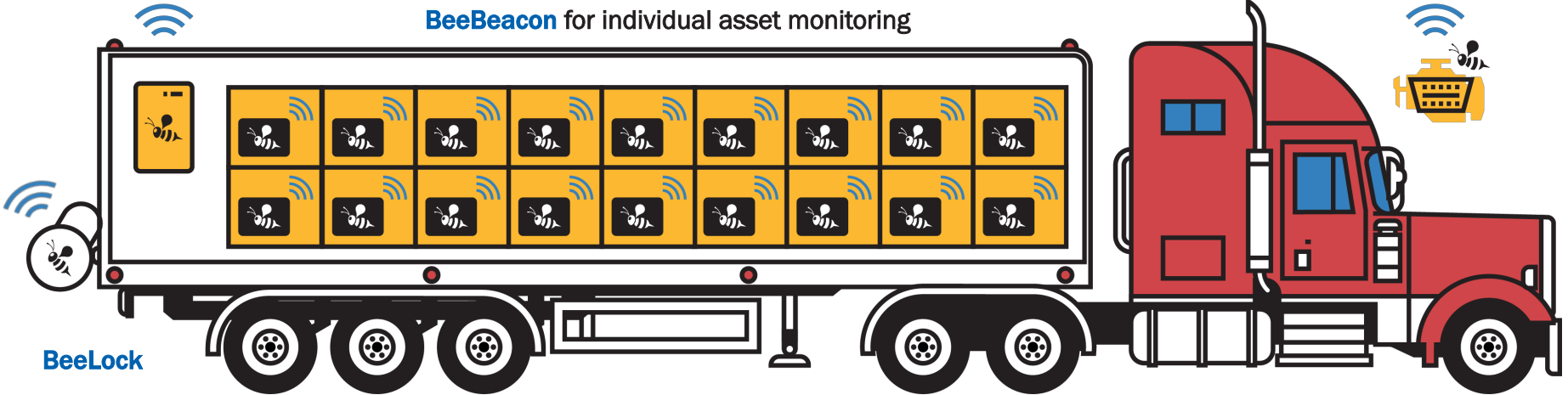
Complete In-Transit Visibility



Bee as stand alone
and/or as a gateway for
BLE Beacons

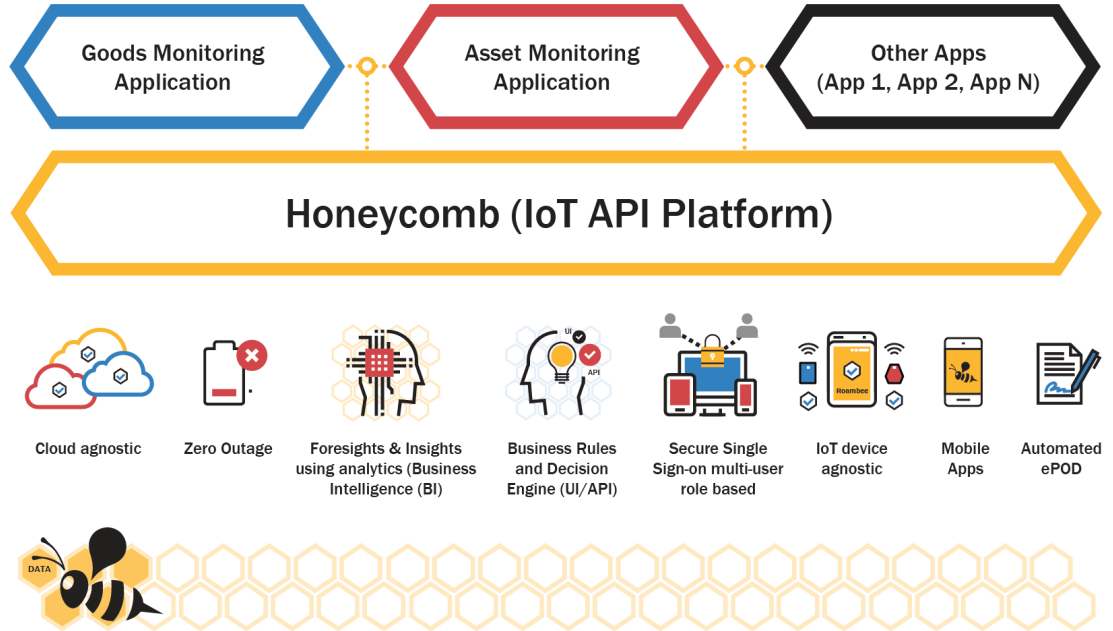
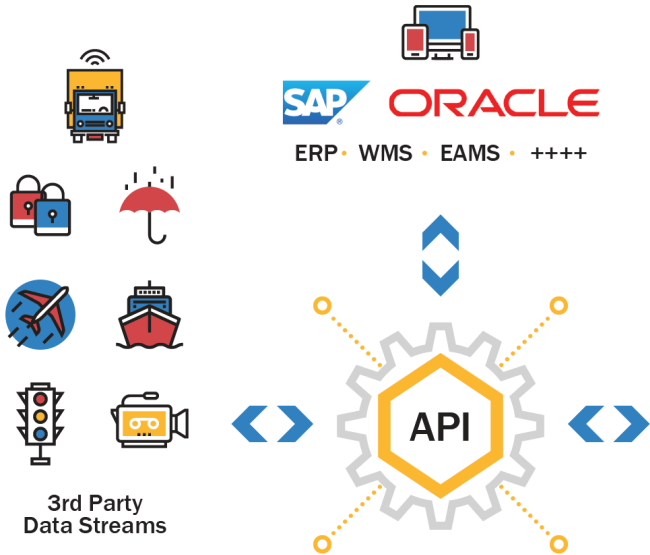
BeeBeacon for individual asset monitoring

BeeFleet (optional)



Honeycomb – IoT API Platform

Integrates to your existing system via APIs



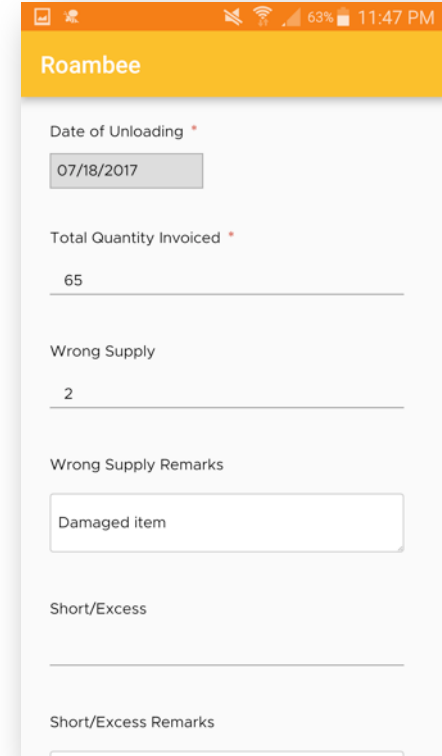
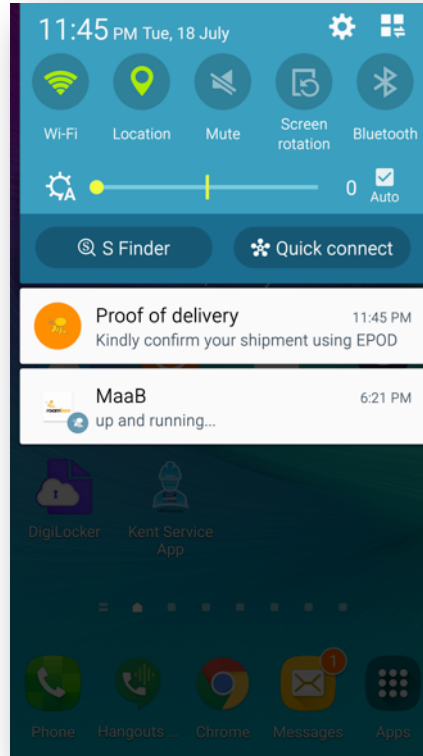
Automated ePOD



Mobile/
Email alert
trigger to
assigned
user upon
shipment
completion

POD
input
through
camera
based
mobile
app

Delivery
confirmation
with
timestamp
available in
real time



Transporter Performance Data



from: 08/08/2018 to: 08/15/2018 Location: Choose...

Overview



29
TOTAL



14
IN TRANSIT



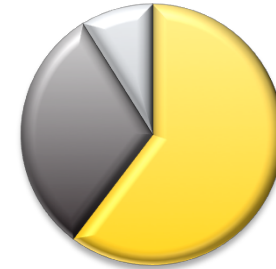
15
COMPLETED

0 NOT STARTED
14 IN TRANSIT
15 REACHED

5 MOVING
9 STOPPED
14 RUNNING LATE

4 EARLY
0 ON TIME
11 DELAYED

Transporter TAT



- On-Time
- Late
- Terminated

A	K	L	M	N	O	P	S	U	V
Shipment ID	Transporter name	Invoice number	Origin	Destination	Departure	Arrival	Status	Distance Traveled (km)	Hours in Transits
ndo-Serang U12- PV	SRIVARU	18207787	Pindo Unit 2	Unit 5	Aug 14, 2018 2:48 PM IST	Aug 14, 2018 4:19 PM IST	TERMINATED	12	2
-Serang U14- pvh pi	ashpro	18207863	Pindo Unit 14	Unit 6	Aug 14, 2018 12:24 AM IST	Aug 14, 2018 2:44 PM IST	COMPLETE (LATE)	479	14
o-Serang U10- old	srivaru	18207863	Pindo Mill unit 10	Unit 7	Aug 13, 2018 4:17 PM IST	Aug 13, 2018 6:41 PM IST	TERMINATED	86	2
ndo-Serang U35- va	ashpro	18207879	Pindo Unit 35	Unit 6	Aug 13, 2018 3:14 PM IST	Aug 14, 2018 11:29 AM IST	COMPLETE (ONTIME)	472	20
ndo-Serang U23- Hf	v trans	18207770	Pindo Unit - 23	Unit 6	Aug 10, 2018 10:46 PM IST	Aug 11, 2018 12:34 PM IST	COMPLETE (LATE)	497	14
p-Serang U21- deca	ashpro	18207802	Pindo Mill unit 21	Mill 7	Aug 10, 2018 9:49 PM IST	Aug 11, 2018 3:03 PM IST	COMPLETE (LATE)	386	17
ndo-Serang U35- va	v trans	18207787	Pindo Unit 35	Unit 6	Aug 10, 2018 8:36 PM IST	Aug 11, 2018 12:35 PM IST	COMPLETE (LATE)	396	16

Driver Pattern Analytics and Safety compliance



Stoppage count by time of day



UNSCHEDULED STOPPAGE TRENDS

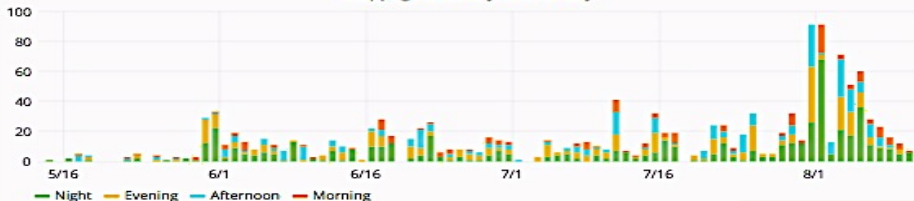
Stoppage duration by time of day



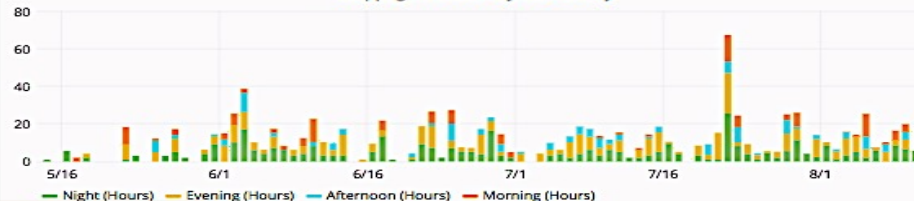
	current
Night	541
Evening	335
Afternoon	285
Morning	159

	current
Night (Hours)	375
Evening (Hours)	354
Afternoon (Hours)	136
Morning (Hours)	132

Stoppage count by time of day



Stoppage duration by time of day



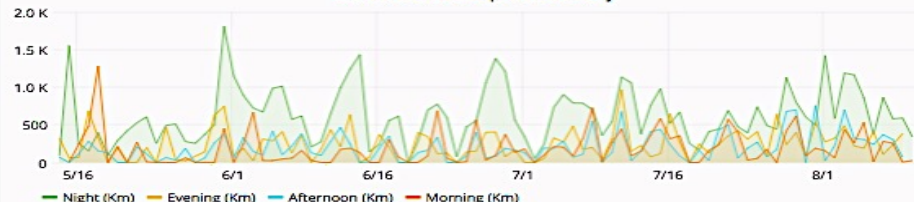
OVERSPEEDING ALERTS

Distance & Speed trends

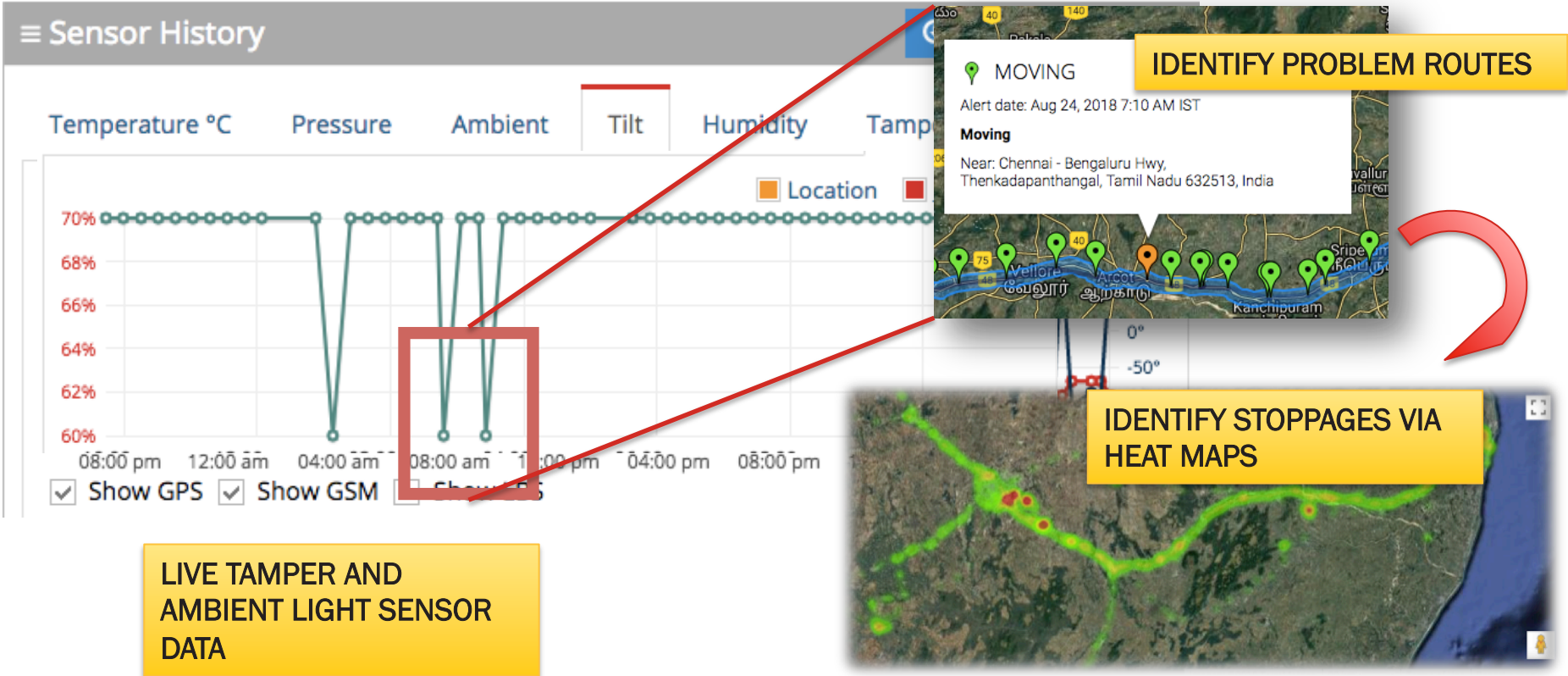
Distance travelled



Distance travelled per time of day



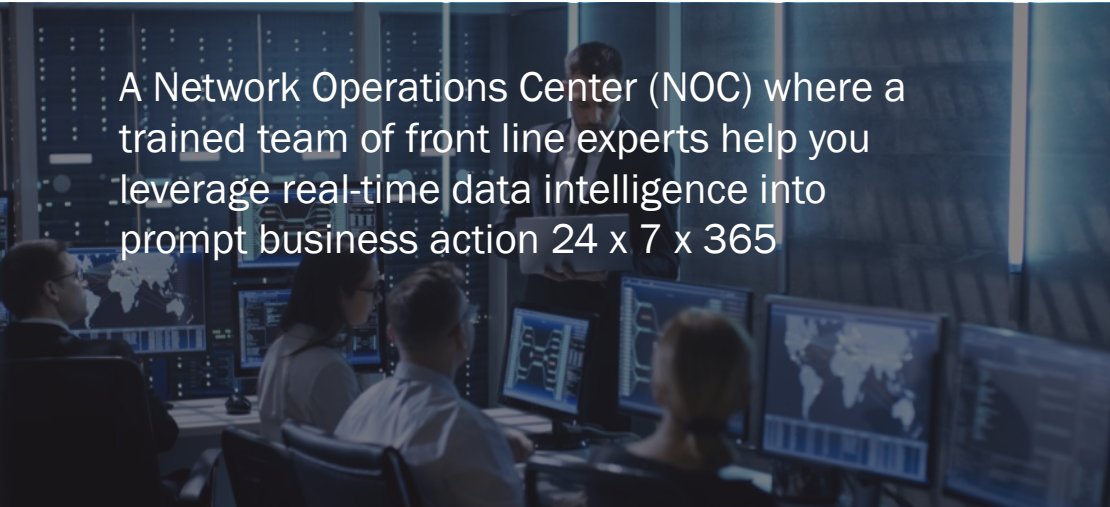
Theft Prevention via Sensor Mapping



BeeCentral – 24x7 Control Tower



A Network Operations Center (NOC) where a trained team of front line experts help you leverage real-time data intelligence into prompt business action 24 x 7 x 365



Honeycomb (IoT API Platform)



Proactive Team

Automated Ticketing

Live Monitoring

Hot Alert Analytics

Control Tower Action

Following predefined protocols shared by you

Through thorough documentation of chats, email and calls logs

Bee Central screening all your shipments Live

Live investigations based on protocol suggested

Prompt Action on delays/ stoppages/accidents and normalizing situation

The BeeEcosystem



BEE

Portable wire-free device for shipment or asset monitoring without relying on 3PL



BEELOCK

Definitive security + Supply chain efficiency



BEEBEACONS

Visibility at a package or item level



HONEYCOMB API PLATFORM

Foresights and insights for better decision making



BEEFLEET

Plug and play monitoring solution for fleet asset insights



MOBILE AS A BEE

Operator and field force insights



BEECENTRAL 24x7

Put foresights and insights to prompt action for better ROI

More Efficiency, Better Security, & Top Condition

Use-Cases We Are Solving For Customers



Efficiency

Goods

- On-Time Delivery
- Transit Time & Inventory Optimization
- Detention Cost Reduction
- Working Capital Reduction
- Billing Verification & Automation
- Item-Level Monitoring

Assets

- Returnable Assets Monitoring
- In-Field Inventory Audits
- Indoor & Yard Inventory Audits
- In-Field Asset Utilization
- Indoor & Yard Asset Utilization
- Asset Recovery



Security

Goods

- Goods Loss & Theft Prevention
- Accident Prevention & Transport Safety

Assets

- In-Field Asset Loss & Theft Prevention
- Indoor & Yard Asset Loss & Theft Prevention
- Accident Prevention & Transport Safety



Condition

Goods

- Cold Chain Monitoring
- Goods Damage Prevention

Assets

- Assets Damage Prevention

On-Demand Business Model



Book



We deliver you all types of Bees on-demand globally, when and where you need them

Place



Place the Bees with your goods or assets

Monitor



Monitor the location and condition of your goods or assets in real-time. You can also your Mobile as a Bee with "My Roambee" app

Reuse or We Pickup



We can pickup the devices globally when you're finished (Some BeeBeacons are disposable)

Our Customers Worldwide



3PL, LOGISTICS, & POSTAL SERVICES



ELETRICAL/ELECTRONIC MANUFACTURING



BUILDING MATERIALS & FINANCE



CONSUMER GOODS



GOVERNMENT



AUTOMOTIVE



CHEMICALS



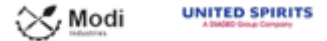
PHARMA & MEDICAL DEVICES



MCKESSON



FOOD & BEVERAGES



Straightforward Pricing



What you always get:

- Devices included
- Range of sensors included
- Data plan included
- App included
- On-demand usage included
- On-boarding included
- API access included

PLUS, we can add:

- 24/7 Response Center monitoring
- Delivery & pick-up options
- Reverse logistics options
- On-site training support
- On-site dedicated operational support
- Customized alerts & reporting
- Law enforcement & recovery support



Partners



TELECOMMUNICATIONS



INDUSTRY SOLUTIONS



ENTERPRISE SOFTWARE



IOT SERVICE DISTRIBUTORS



SYSTEM INTEGRATORS



TECHNOLOGY



Some of Our Coverage to Date



WALL STREET
JOURNAL

TechCrunch

VentureBeat

Forbes

THE VERGE

Inc.



DC VELOCITY

Air Cargo
World

International
Business
Times

newser
READ LESS KNOW MORE

Experfy

TechTarget

EIN NEWS
a digital news provider

MH&L
Material
Handling
& Logistics

SDC SUPPLY & DEMAND CHAIN
EXECUTIVE

Logistica
REVISTA ENTALCA

BioPharm
INTERNATIONAL
The Global BioPharmaceutical

PharmTech.com
ADVANCING DEVELOPMENT AND MANUFACTURING

Food
Logistics

global
supply chain

RFID
JOURNAL
THE WORLD'S RFID AUTHORITY

inbound
logistics
A THOMAS COMPANY

telecompaper

SupplyChain247

Business Standard

siliconANGLE

IOT
JOURNAL

mundo
LOGISTICO

CARGOCONNECT

The Mercury News

<re/code>

abc 7
BAY AREA

SF
GATE

AWARDS & RECOGNITION

IDC Innovator
2018

ABIresearch®
for visionaries



TiE 150
2017
WINNER

NETWORK WORLD

"Roambee named one of 6 Internet of Things companies to watch..."

CRN

"Roambee named one of 2017 Emerging Vendors: IoT Start-ups You Need To Know..."

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Visit us at roambee.com

