



# Internet of Things and Business Transformation

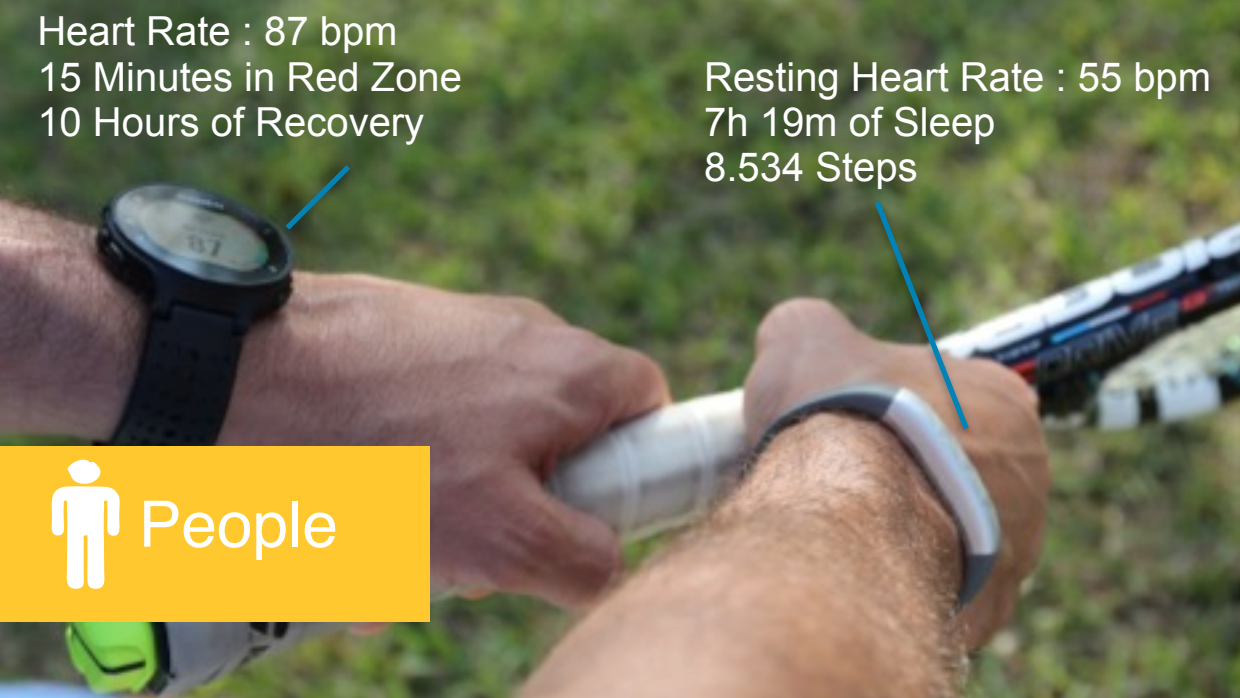
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Internet of Things  
Cisco

A Internet das Coisas (IoT) é a conectividade inteligente de dispositivos físicos, impulsionando altos **ganhos de Eficiência**, crescimento de negócio e qualidade de vida

EASY



TAXI



# Agenda

1

Sensor, Application and Network  
**IoT 1.0 - Connecting the Unconnected**

2

Making Sense of Too much data  
**IoT Real Time Analytics**

3

Connecting things in Financial Services  
**IoT-enabled Business Transformation**

# 1

## Sensor, Application and Network IoT 1.0 - Connecting the Unconnected



**“Extending the Internet Protocol to operational areas to enable industrial automation and Workforce mobility ”**



**“Developing new communication protocols to enable low power sensors in high density areas ”**



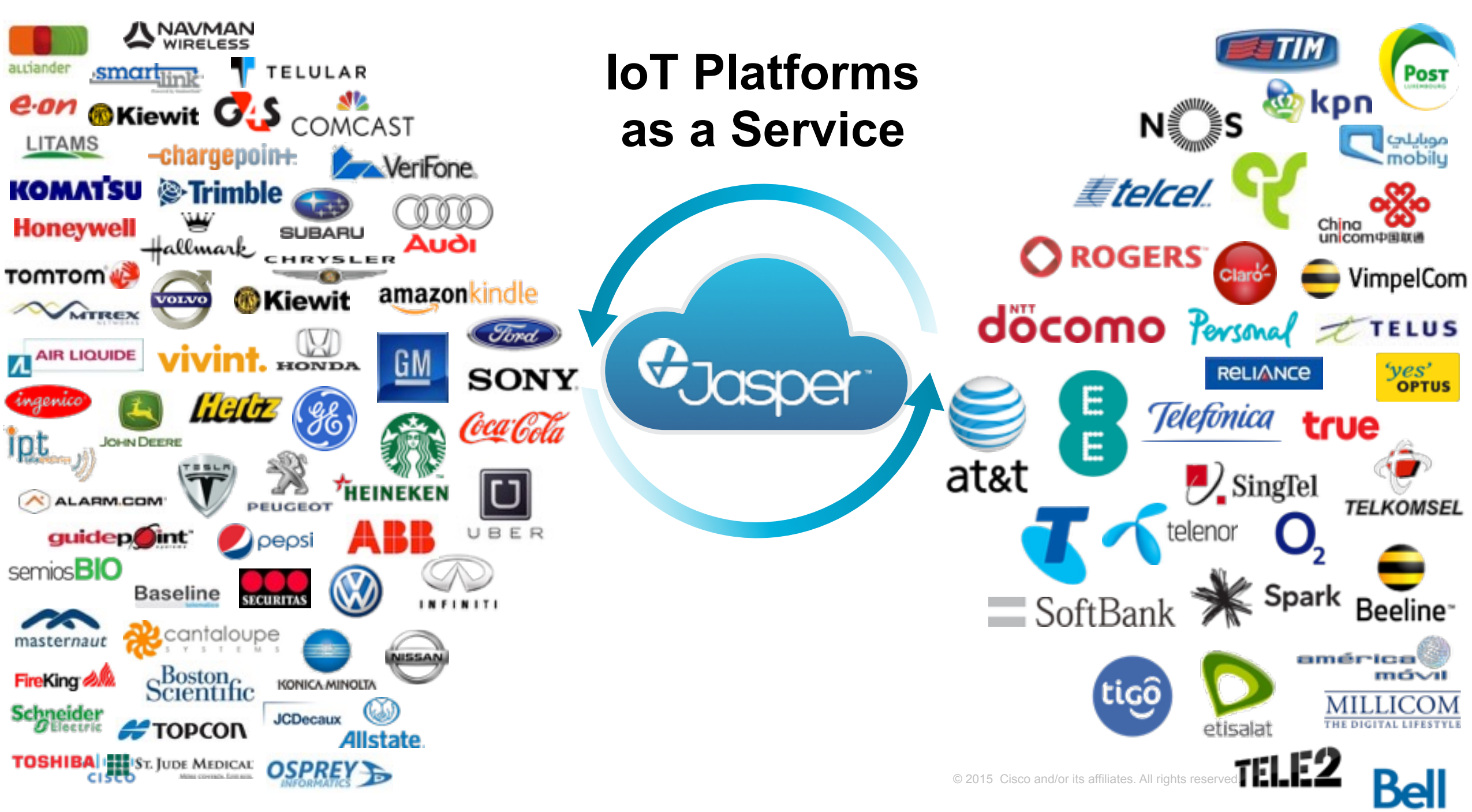
**Wide Area Network**

**MPLS**

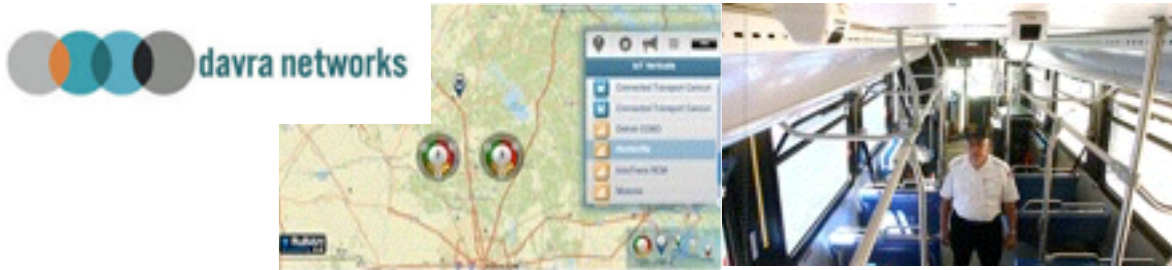
**3G**



# IoT Platforms as a Service



# Digitization Transportation Connected Fleet



2

## Making Sense of Too much data IoT Real Time Analytics

### Imagine a World...

Where IoT Analytics Delivers 15% More  
Output from Renewable Energy Sources

**30TB**

Analyze Data  
in Real-time

**15%**

Increase  
Efficiency

**\$158M/yr**

Generate Operational/  
Economic Benefits

(20,000 Wind Turbines; 10 GW Capacity; .3 Capacity Factor; \$40/MW-hour)

# 3

## Connecting things in Financial Services IoT-enabled Business Transformation



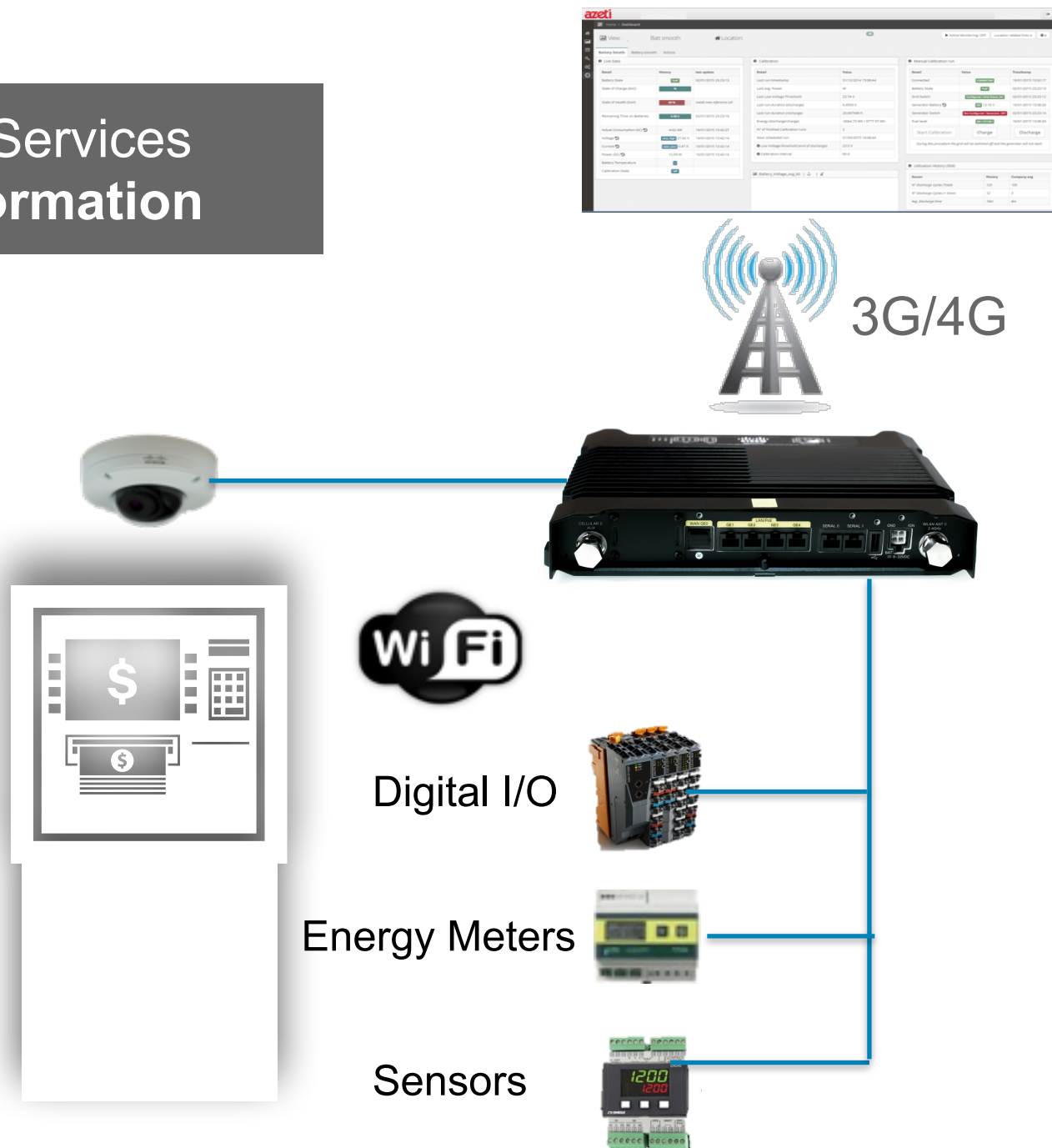
Seu Credito foi aprovado !

# Location Engagement



3

## Connecting things in Financial Services IoT-enabled Business Transformation



# 3

## Connecting things in Financial Services IoT-enabled Business Transformation



id_entrada_ente	2018-05-31 08:37:07	ingreso cliente
id_salida	2018-05-31 08:38:05	Atención registrada, hora de ingreso 2018-05-31 08:37:07, hora de egreso 2018-05-31 08:38:05, tiempo de atención: 118 segundos.





## SUCURSALES



Ingresos de clientes

Ingresos en caja

Ingresos en asesoría

Tiempo en sucursal

Colaboradores

Nivel de abandono

👤 178

👤 100

👤 78

🕒 20'

🕒 7h

👤 5%

🔍 Buscar por sucursal...

Sucursal 1

Sucursal 2

Sucursal 3



Volumen de usuarios

## Sucursal 1

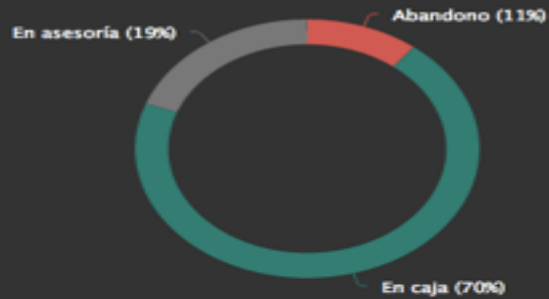
3 cajeros  
Dirección 123  
Bogotá

Ir al Departamento

### RESUMEN DE HOY

CAJA

ASESORÍA



ESPERA POR CLIENTE

🕒 15'

ABANDONO

👤 7

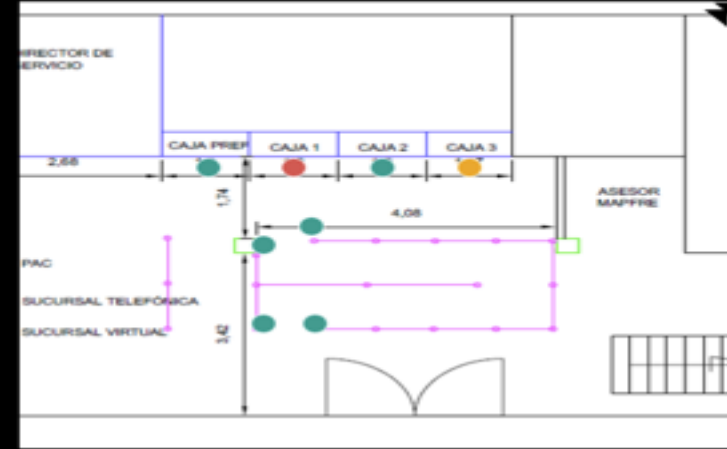
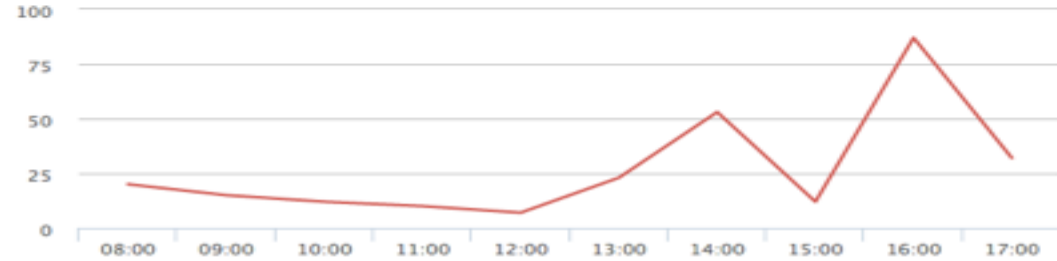
ATENCIÓN POR CLIENTE

🕒 5'

HORAS EFECT. POR COL.

🕒 22h

Mayor ingreso de clientes



Actividad de la sucursal



Horas de mayor circulación



Tiempos de espera en caja

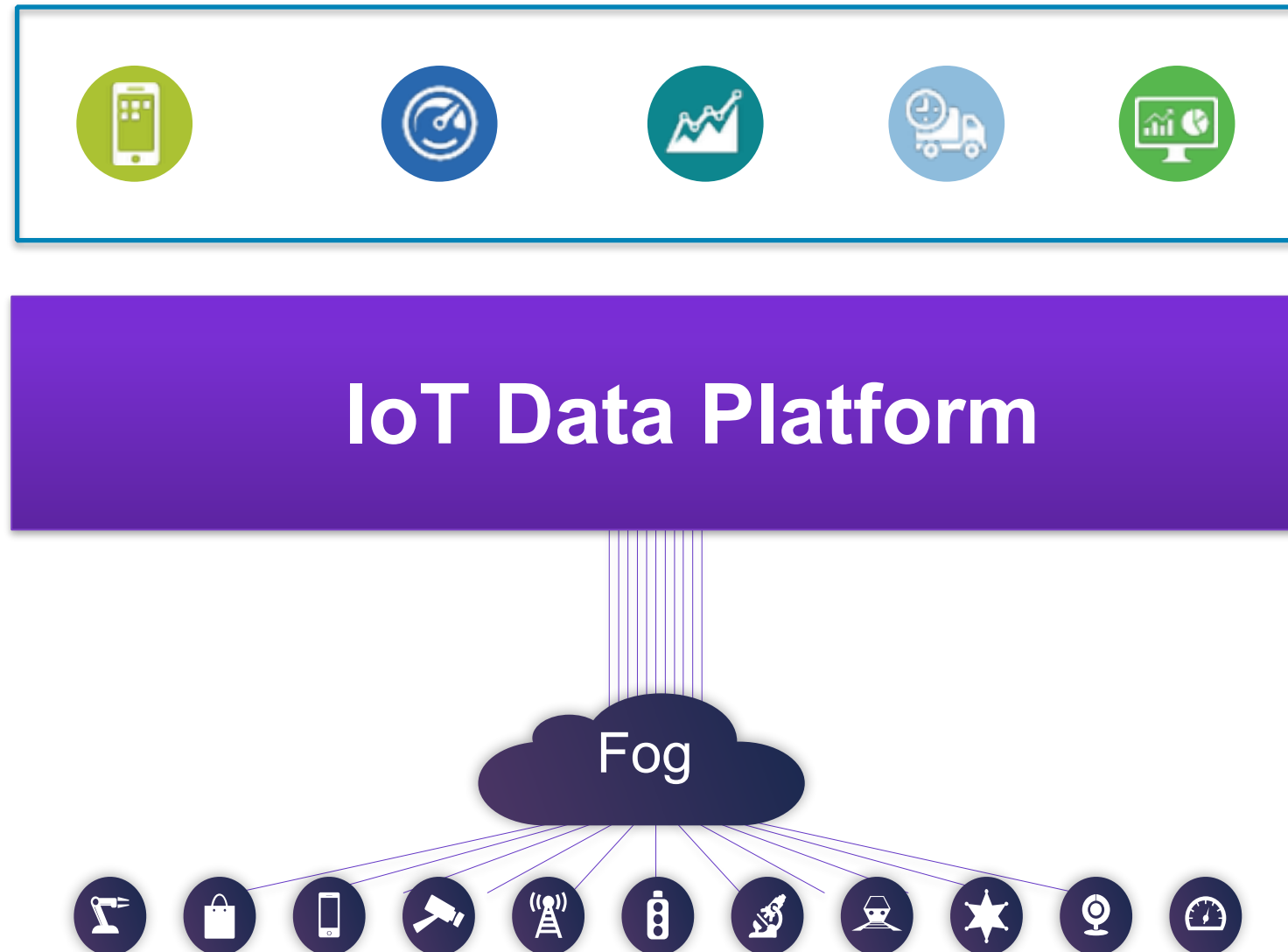


Permanencia en la sucursal



Zonas de mayor concentración de clientes

# Internet of Things is evolving towards context awareness





CISCO

*TOMORROW starts here.*

Obrigado !

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