

# Driving Into the Future with Cisco IoT Control Center

Cisco Knowledge Network Webinar

December 6, 2023

# Driving Into the Future with Cisco

Cellular IoT management that powers your business



## Today's speakers

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John Malzahn Leader, Provider Mobility Product Marketing



Michael Blanck Engineering Product Manager, IoT Control Center ıılıılıı cısco



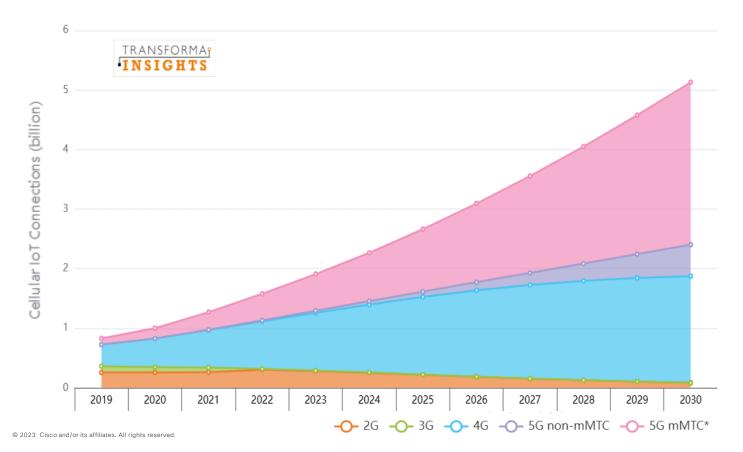
Karthik Sundaramurthy

Engineering Product Manager, IoT Control Center

# Agenda

- Transforming business with cellular-powered IoT
- Introducing Cisco IoT Control Center
- How IoT Control Center does
  more than manage connectivity
- Product Demo
- Getting started

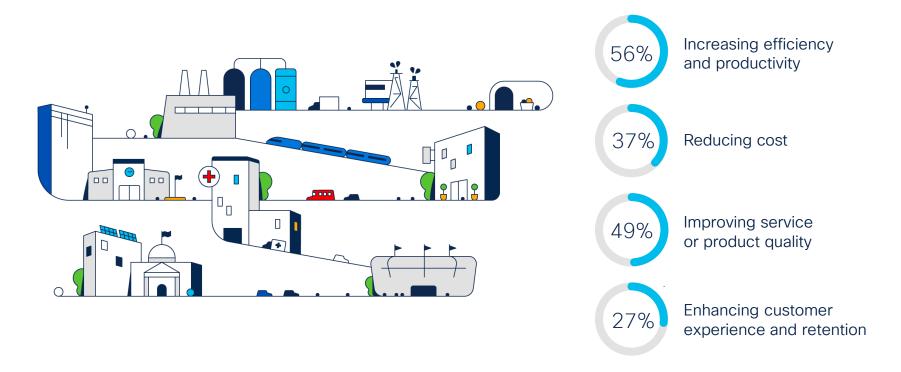
## Cellular IoT connections will grow to 5B by 2030



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cisco

# And IoT connections are transforming the enterprise



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# The impact is significant across a range of industries and use cases





#### Connected car

Automakers are making driving safer through vehicle telematics and adding new revenue streams

#### **Financial services**

Financial organizations are getting scale and reliable service for PoS and ATM systems Smart meters

Utilities are saving costs and improving customer service with smart electric meters



#### Asset management

Retailers are monitoring the health of their machines and servicing them faster

High data usage, low latency, complex SIM lifecycle

Mission-critical connectivity, low latency

Low data usage, low reliability, high latency

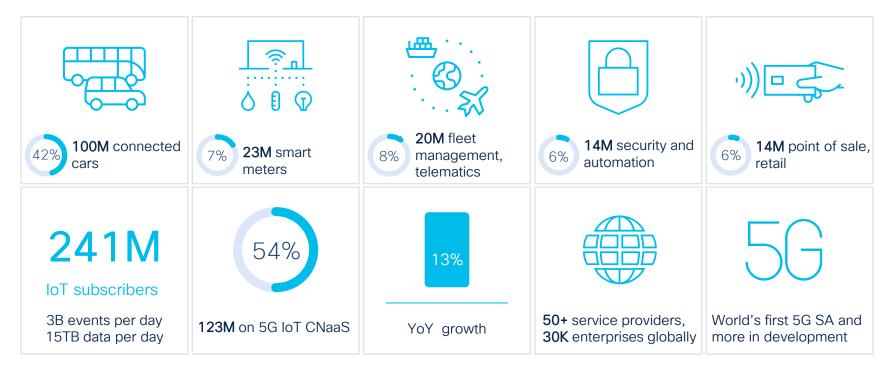
Low data usage, low reliability, high latency

# Control Center delivers differentiated value

Helps to solve many key IoT challenges



# Cisco IoT Control Center is driving real-world impact at scale



32%, 73M includes Consumer, Insurance, IIoT, Asset tracking and other use cases.



Cisco leads as industry "Pace-setter" in Counterpoint Research's Global 2023 loT Connectivity Management Platform (CMP) Ranking\*

#### **Counterpoint CORE: Connectivity Management Platform, 2023**



Platform Capabilities

"Cisco has a significant lead over its competitors in terms of platform capability as well as execution capability."

Akshara Bassi, Senior Research Analyst, Counterpoint

# Connected Car

### Why automotive OEMs want Control Center



#### **Full automation**

- Automated provisioning
- Lifecycle aware configuration
- Business process
  automation
- Rich APIs and feeds

| _ <sup>©</sup> _ |  |
|------------------|--|
|                  |  |

#### Flexible billing

- Rich set of rate plan types and billing options
- Split billing and multiparty billing
- Event-driven incentives
  and credits



#### **Global scale**

- 50+ service providers covering 120+ countries
- Same integration for all service providers
- Localization tools



#### **Ops tools**

- Real-time diagnostics
- Machine-learning apps
- Real-time network visibility
- Security tools and fraud prevention

# Automotive OEMs want to offer:

#### **Telematics services**



#### Internal use

- OTA SW updates
- Diagnostic information
- Metrics and data collection



#### Passenger safety

- Automatic crash notification
- SOS button
- E-call compliance



#### Security and convenience

- Door lock/unlock
- Vehicle recovery / Kill engine
- Concierge service
- Mobile application

#### Infotainment services



#### Built-in head unit apps

- Streaming music
- Parking finder
- POI and navigation

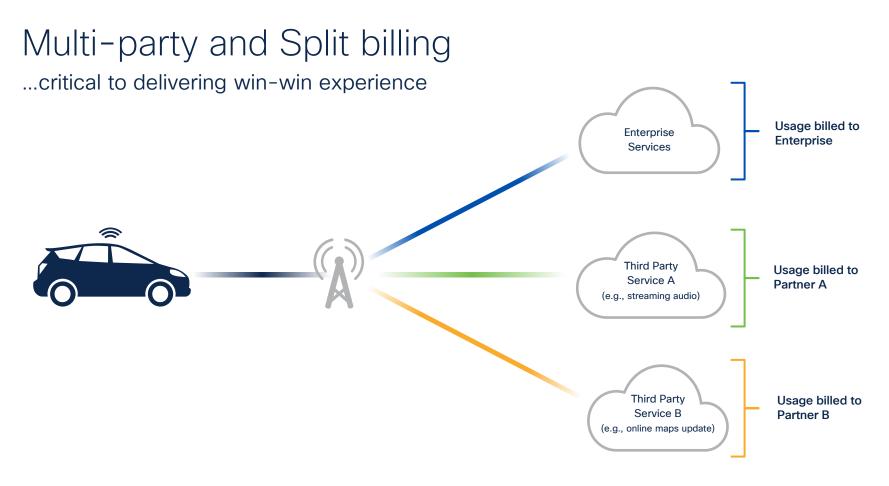


#### Third-party services

- Usage based insurance
- Premium audio and video
- Apple CarPlay/Android Auto



#### In-vehicle Wi-Fi hotspot



# Troubleshooting simplified for the average user

| Device Status              | Congratulations! This device<br>has successfully connected. |
|----------------------------|---|
| ICCID                      | 89302720396911992662  |
| In Session                 | Yes   |
| SIM Status                 | Activated   |
| Suspended                  | No  |
| SIM Barred                 | No  |
| Usage Limit Reached        | No  |
| Rate Plan                  | JW Ent 10MB   |
| Month to Date Data<br>(MB) | 1.319   |
|                            |   |



- · Can the device interact with the customer servers?
- Is the APN configured properly?
- Is the IP address incorrect?
- Can the device open ports or sockets?

# Connected vehicle: Major trends



Autonomous, connectivity, electrification, shared mobility (ACES)



Need to monetize services; new partnerships and business models



Connectivity reliability "car always-connected model"



Infotainment evolving; drivers expect a tailored experience



Increased data, processing, compute, transfer, latency requirements



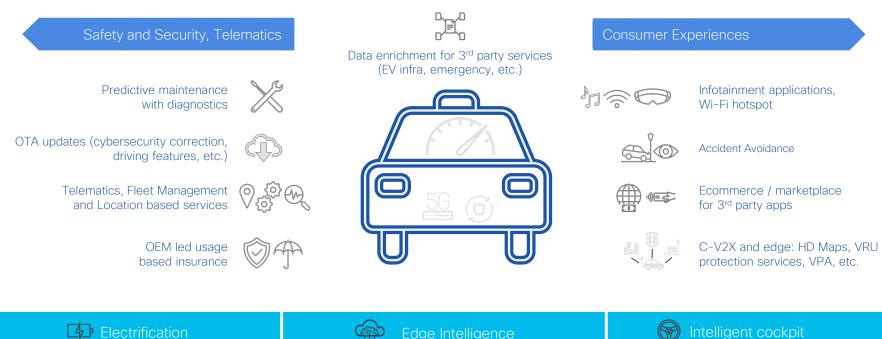
Increased security risks

Can current connectivity management support the future?

# Control Center Roadmap and 5G Innovation

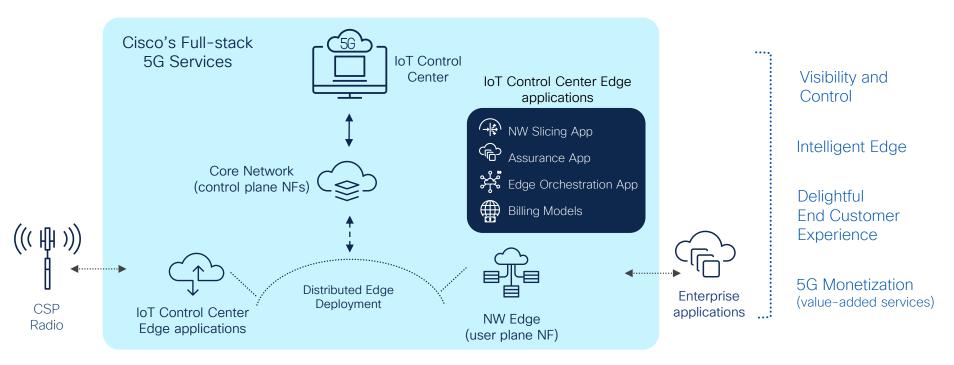
### Powering 5G Enabled Applications

Commercially deployed today with a path to realize applications of the future

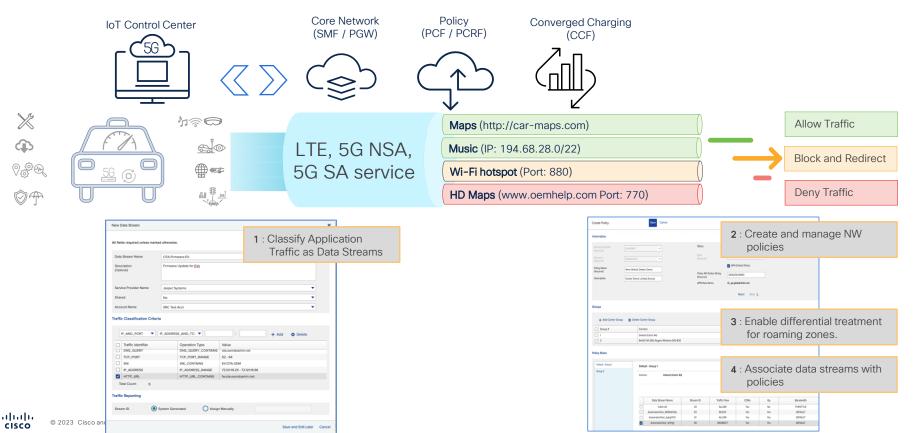




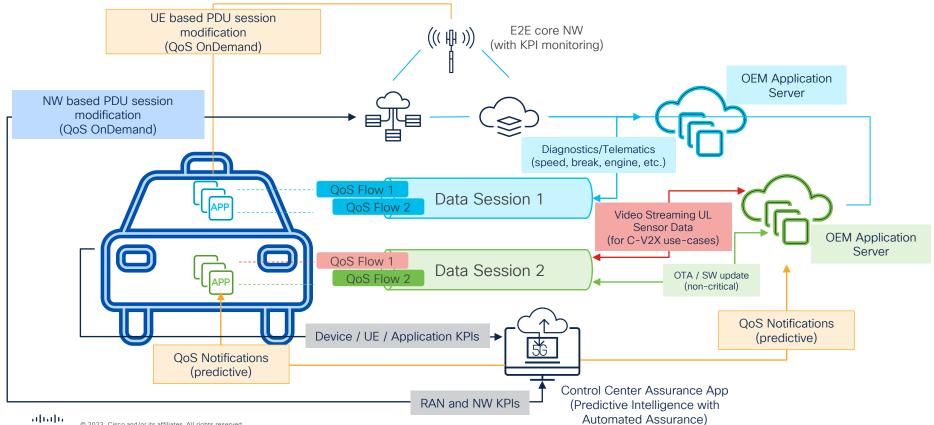
### Cisco's full stack 5G service Enabling global IoT deployments with agility



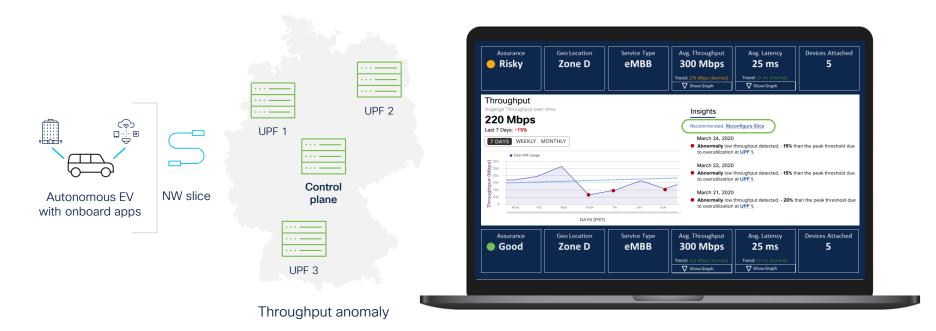
### Self-serve capabilities to launch subscription services OnDemand With Dynamic traffic classification, policy and charging control



### **Closed-loop Service Assurance** QoS OnDemand



### Diverse 5G applications with slicing and edge capabilities Dynamic network slicing is available with IoT Control Center today





### The Cisco difference





## We are the CMP market leader

Our global experience, reach, and track record are second to none. We connect more devices and connected cars for more enterprise customers than any other platform on the planet.\*

#### We understand your business better

Our scale and reach gives us a deep insight into markets and your needs. From the complexity of connected cars to the massive scale of smart meters, Cisco has helped 32,000+ businesses across industries expand their cellular IoT.

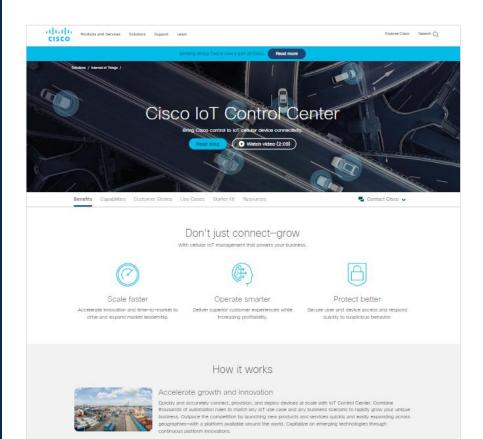
# We are constantly innovating

At Cisco, we are solving tomorrow's IoT challenges today to give you the competitive edge to focus on what matters most– growing your business.

# For more information visit our web page:

cisco.com/go/iot-mobility





#### Deliver better customer experiences

Get set for superior, more relative customer experiences, with bit Control Center. Al/NL anomaly detection protechies/ hind and lefts toy and out any device or connectivity issues in the background, so you're shear of protechies. Detroit they reach your customers, Flug Into an extensive library of APIs that integrate detectly into exciting applications and systems from IB/N. Microsoft, SAP, Salestrone, and more to protect smooth and efficient operations, and no more surprise data overage changes; bit Control Center automatically picks the right rate plan back on your real-time usage, boosting your perificiality.





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The bridge to possible