**Shane Rooney**

**Senior Technical Director
GSMA**

**IoT Strategy Group, Marketing Groups**

Solving the challenges to enable IoT to scale

**Mobile IoT & Massive IoT Workstreams**
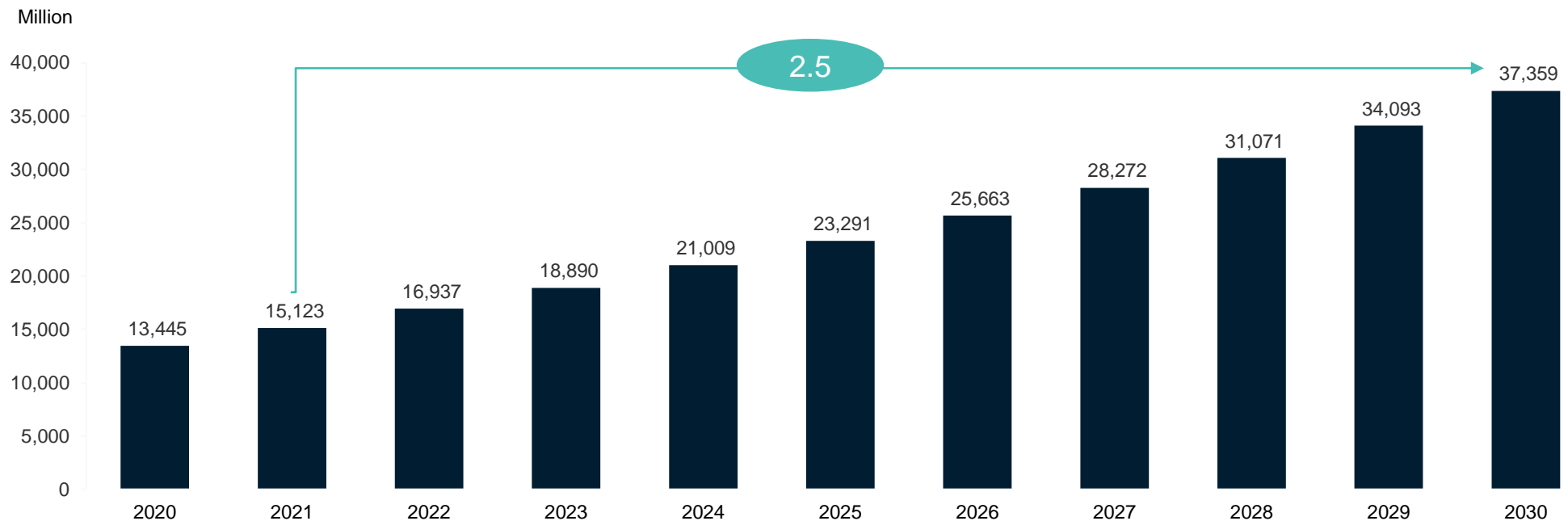
Coverage

Energy Efficiency

Roaming

Provisioning

# Short-term disruption but long-term upside potential for IoT

- Covid 19 Pandemic
- Supply Chain Disruptions
- Semiconductor shortage
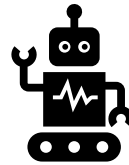
**Total IoT connections, 2020 –2030**

Million

| Year | Connections |
|------|-------------|
| 2020 | 13,445 |
| 2021 | 15,123 |
| 2022 | 16,937 |
| 2023 | 18,890 |
| 2024 | 21,009 |
| 2025 | 23,291 |
| 2026 | 25,663 |
| 2027 | 28,272 |
| 2028 | 31,071 |
| 2029 | 34,093 |
| 2030 | 37,359 |

2.5

*Source: GSMA Intelligence.*

# The long-lasting legacy drivers for IoT from Covid-19

## Health & Safety

Covid 19 effect
Cashless Society
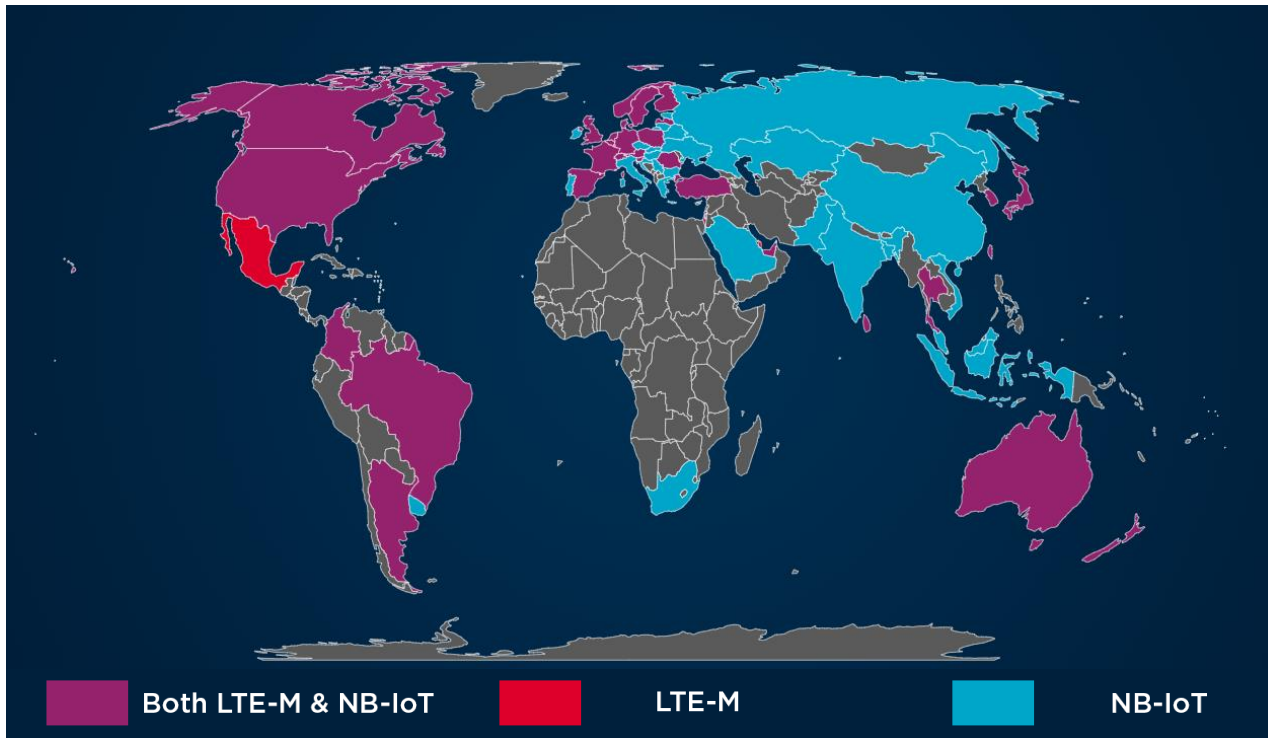Use of IoT
Increased Trust

## Automation

Automated Solutions
Use of AI
Analytics
Tracking the supply chain

## 5G Technology

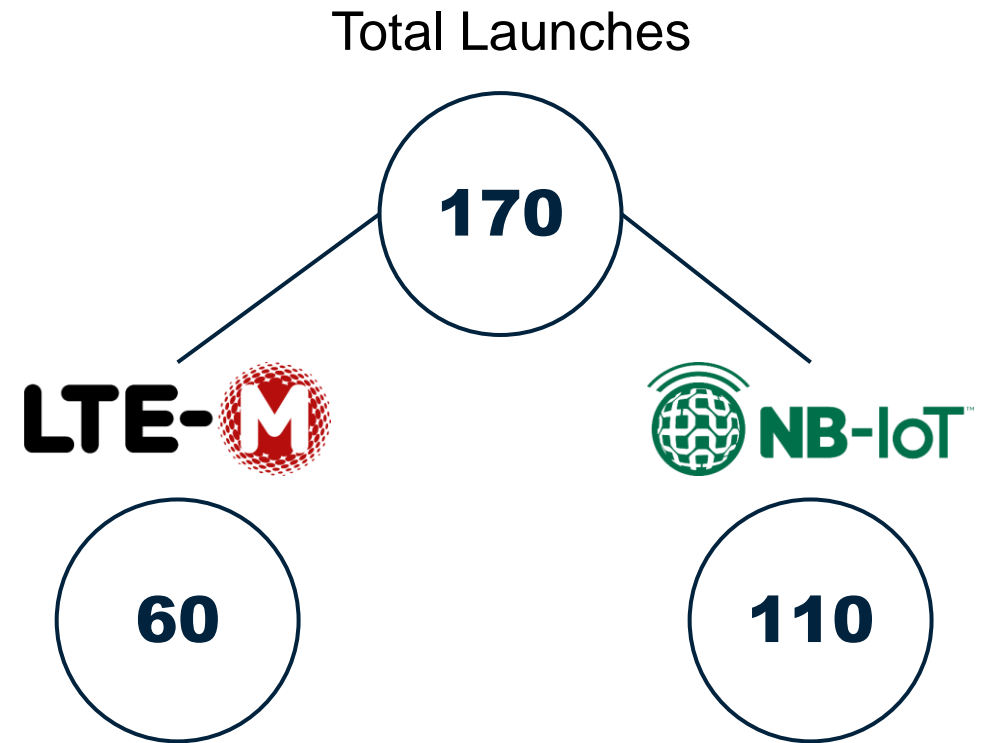2G/3G shutdown
New Use Cases
Smart Cities
Smart Factories

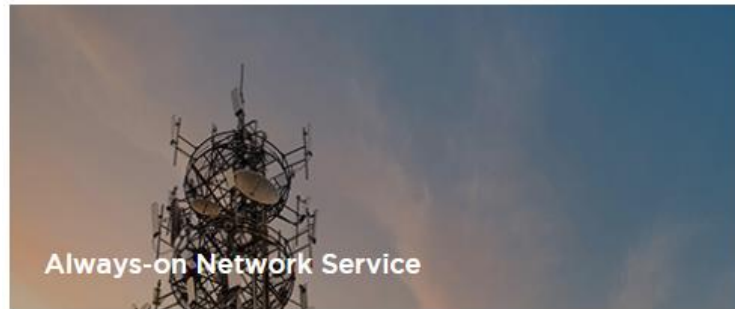# Mobile IoT (LPWA) is deployed globally



Both LTE-M & NB-IoT     LTE-M     NB-IoT

https://www.gsma.com/iot/deployment-map/

Total Launches

170

LTE-M          NB-IoT

60              110

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**Submit your ideas and be part of the next great Foundry project!**

**GSMA.com/Foundry**

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Always-on Network Service

Telco Edge Cloud (TEC) Pre-Commercial Trials

Standard Essential Patent Tool

5G Autonomous Drones

# 5G IoT Summit Sponsors

**Platinum Sponsor**

Giesecke+Devrient

**Gold Sponsor**

Kigen

# Agenda

| Time | Topic | Speaker |
|---|---|---|
| 15:10 – 15:30 | Sponsored Keynote – **Creating confidence for successful IoT deployments leveraging 5G** | **Carsten Ahrens**, CEO, **Giesecke+Devrient Mobile Security** |
| 15:30 – 15:40 | **The growth of cellular-based IoT necessitates a pivot to hyperscale** | **Matt Hatton**, Founding Partner, **Transforma Insights** |
| 15:40 – 15:55 | Sponsored Keynote – **Pushing the envelope with 5G IoT cellular growth** | **Vincent Korstanje**, CEO, **Kigen** |
| 15:55 – 16:10 | **Improving Energy Efficiency for Mobile IoT** | **Igor Tovberg**, Director of Product Marketing, **Sony Semiconductor II** |
| 16:10 – 16:40 | Panel: **The Growth and Development of Massive IoT in the 5G Era: Mega Trends, Successes & Opportunities** | Moderator: **Sylwia Kechiche**, Principal Analyst, **Ookla**<br>• **Afzal Mangal,** Head of Innovation Portfolio, **Deutsche Telekom**<br>• **Fabien Petitgrand**, CTO, **Ubiik**<br>• **Luke Ibbetson**, Head of Group R&D, **Vodafone**<br>• **Nicolas Damour**, Senior Director for Strategic Partnerships, **Sierra Wireless**<br>• **Sharath Muddaiah**, Director of 5G & IoT, **Giesecke+Devrient Mobile Security** |
| 16:40 – 16:55 | **Can 5G and IoT be Green?** | • **Stephen Douglas**, Head of Market Strategy, **Spirent Communications** |

# Agenda

| Time | Topic | Speaker |
|---|---|---|
| 17:25 – 17:40 | **Big Data for a Better Future: Telcos role in the COVID-19 Pandemic** | **Elena Gil Lizasoain**, Global Director of Product & Business Operations, **Telefonica** |
| 17:40 – 17:55 | **Unlocking the monetization potential of IoT data** | **Friedrich Trawoeger**, Senior Vice President, Cloud & Cognitive Services, **Nokia** |
| 17:55 – 18:20 | Panel: **Extracting Value from Critical Data for 5G IoT** | **Moderator: Jim Morrish**, Founding Partner, **Transforma Insights**<br>• **Friedrich Trawoeger**, Senior Vice President, Cloud & Cognitive Services, **Nokia**<br>• **Hanspeter Bobst**, CEO, **Rohde & Schwarz SwissQual**<br>• **Sameer Vuyyuru**, Head of WW Business Development for Communication Service Providers, **Amazon Web Services**<br>• **Shahbaz Ali**, Head of IoT, **Telenor Pakistan** |
| 18:2 – 18:35 | **SIMple Opportunities for IoT** | **Jimmy Jones**, Head of Security, **ZARIOT &**<br>**Laragh Larsen**, Head of Research, **ZARIOT** |
| 18:35 – 19:00 | Panel: **Next Generation of IoT Enabled by eSIM: the Business Landscape** | **Moderator: Sergio Cozzolino**, P.A. International & European Affairs Manager, **TIM**<br>• **Jimmy Jones**, Head of Security, **ZARIOT**<br>• **Loic Bonvarlet**, VP Product and Marketing, **Kigen**<br>• **Mona Parsa-Moghadam**, Senior Product Manager, New Access Technologies, **Deutsche Telekom**<br>• **Stephane Quetglas**, Embedded Solutions Marketing Director, **Thales** |