

Accelerating 5G IoT Adoption

Collaboration, Confidence and Real-World Impact

IoT Summit 2026

Hosted @

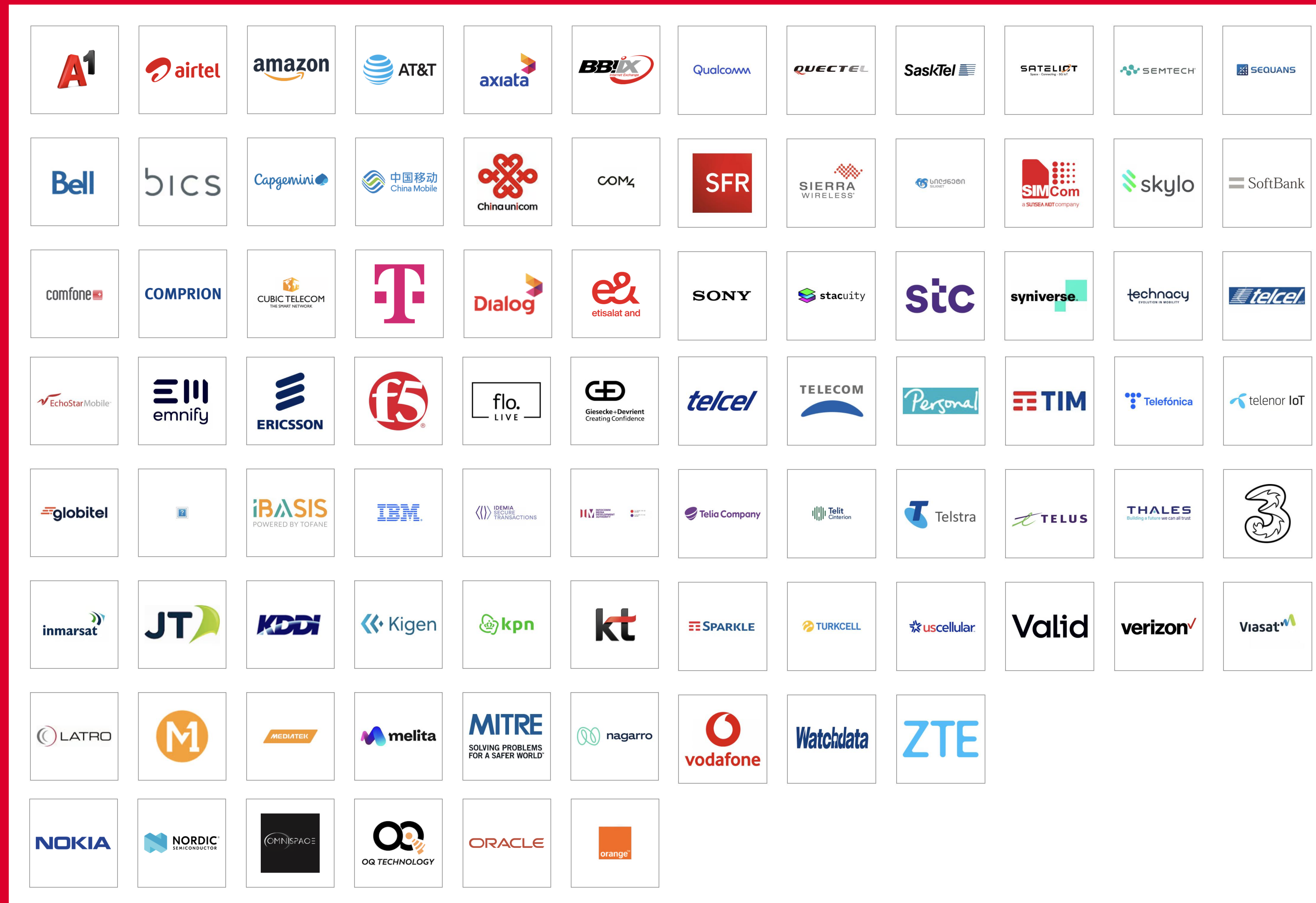
MWC
GSMA

Jens Olejak

Head of Satellite IoT, Deutsche Telekom



IoT Community Members



IoT Community Structure

IoT Forum

Wider membership
Participate at GSMA IoT Events

IoT Strategy Group

Defines strategy and action plan
Limited membership

IoT Action Groups

Temporary & task-based
Open to all IoT Forum members

IoT Resources

IoT guidelines
Common messages
Specialist events

IoT Marketing Group

Promotes work of IoT Community

IoT Strategy Group Members

Chair



Igor Tovberg, Sony

Vice-chair



Steve Hardin, AT&T

GSMA IoT Community Leader



Shane Rooney

Members

Marjana Sencar Srdic

A1

Jens Olejak

Deutsche Telekom

Thomas Larsson

G+D

Keita Kowaguchi

KDDI

Paul Bradley

Kigen

Camilo Solano

Mediatek Inc

Yrjo Kaipainen

Nordic Semiconductor

Antoine Mouquet

Orange

Kiran Mukkavilli

Qualcomm

Shahbaz Ali

Sateliot

Nicolas Damour

Semtech

Olivier Pauzet

Sequans

Anzil Abdul Rasheed

Skylo

Javier Francisco Zorzano

Telefónica

Stephen Osborn

Telenor

Duncan Fitt

Telstra

Michael Salmon

Verizon Wireless

Luke Ibbetson

Vodafone

IoT Strategy Group – Our Mission

**Promote
IoT technology/capabilities**
and
**accelerate the adoption
of 5G IoT solutions**

Overarching Themes:

1. Unify the ecosystem
2. Scale safely
3. Make IoT future-proof

Ensuring Consistent IoT Deployments



Operators

Standardize & publish your parameters and bands

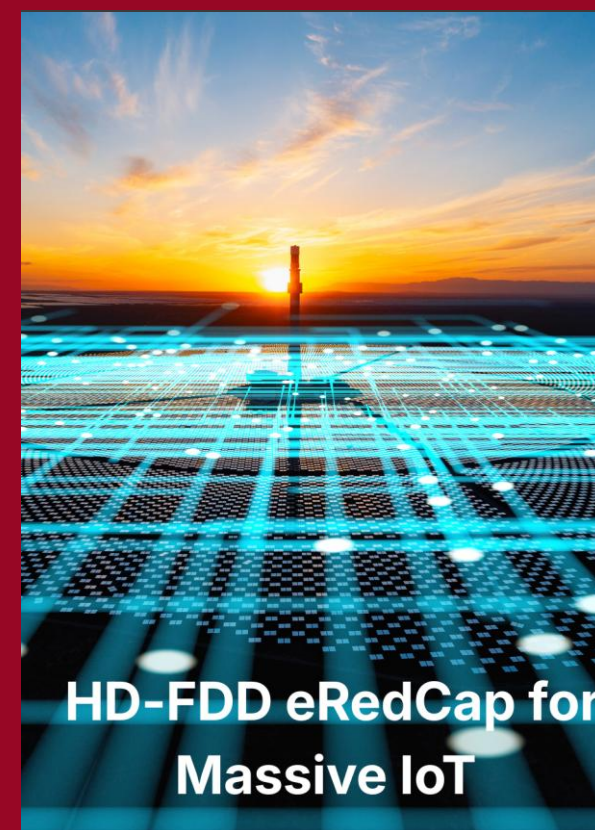
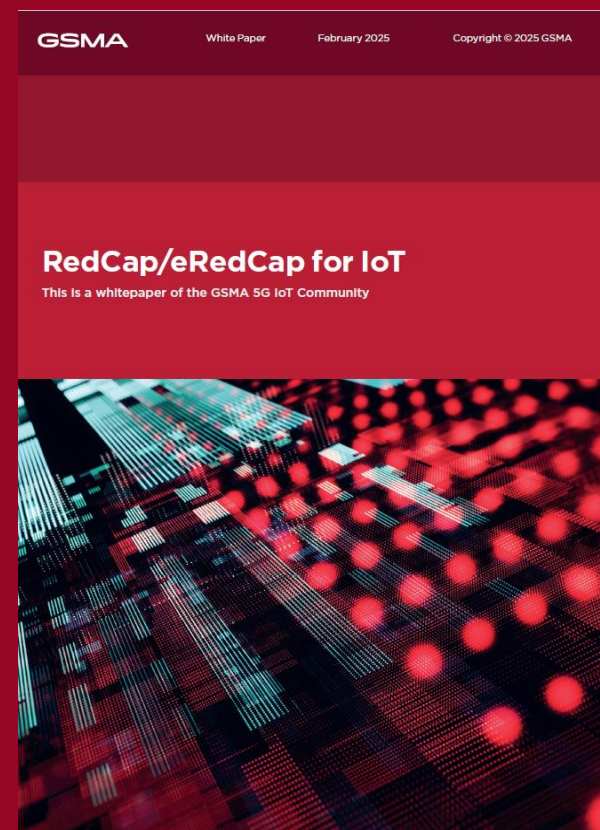
Vendors

Focus on validated common baseline features

Developers

Engineer apps for consistent behavior

RedCap & eRedCap



Operators

Promote RedCap and eRedCap (HD-FDD) as preferred choice for mid/low data rate 5G NR applications

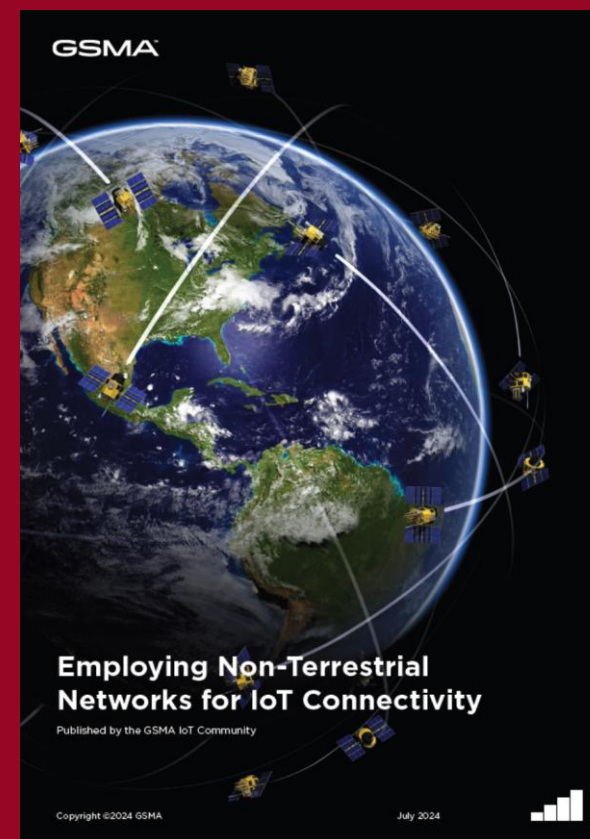
Vendors

Prioritize global-SKU HD-FDD eRedCap modules with migration paths from legacy LTE technologies

Developers

Embrace RedCap/eRedCap and continue to support established 5G technologies (LTE-M, NB-IoT)

Non-Terrestrial Networks (NTN)



(Satellite) Operators

Standardize on Rel-17+ NTN and adopt TS34-aligned guidance

Vendors

Deliver robust hybrid TN/NTN modules and reliable antennas

Developers

Build for latency, interruptions, caching and intelligent switching

Embedded SIM Management



Operators

Provide shared terminology and clear playbooks for the provisioning lifecycle

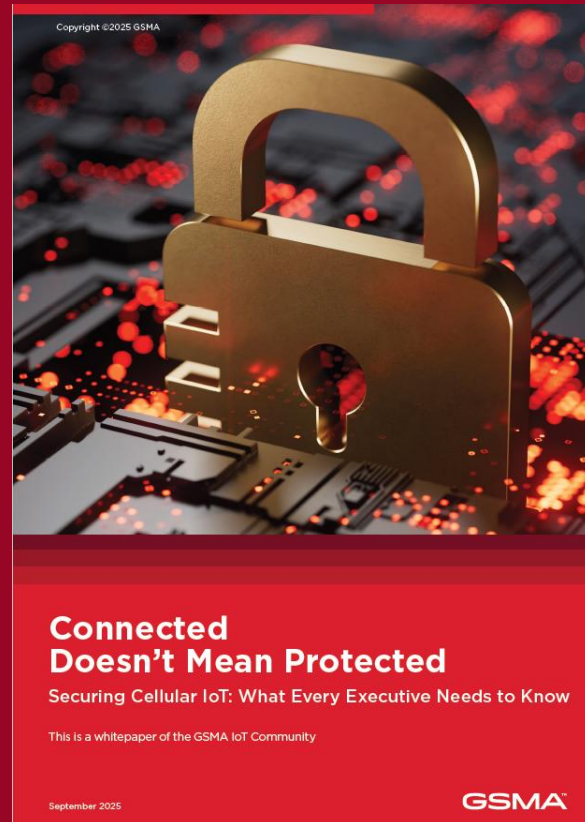
Vendors

Use proven flows first; implement SGP.22/32/42 where feasible

Developers

Pick low-risk provisioning paths and budget for RSP where needed

IoT Security



Operators

Enforce secure-by-design compliance and initiate PQC readiness

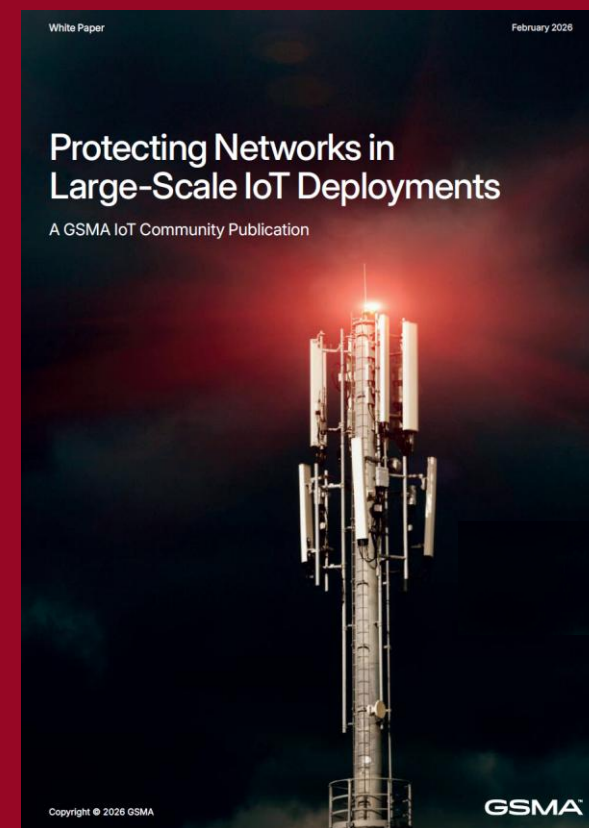
Vendors

Integrate SIM-rooted security, secure boot, crypto and signed updates

Developers

Prioritize threat vectors and secure APIs/auth flows end-to-end

Protecting Networks in Large IoT Deployments



Operators

Take proactive steps to prevent signalling storms and handle reject scenarios carefully

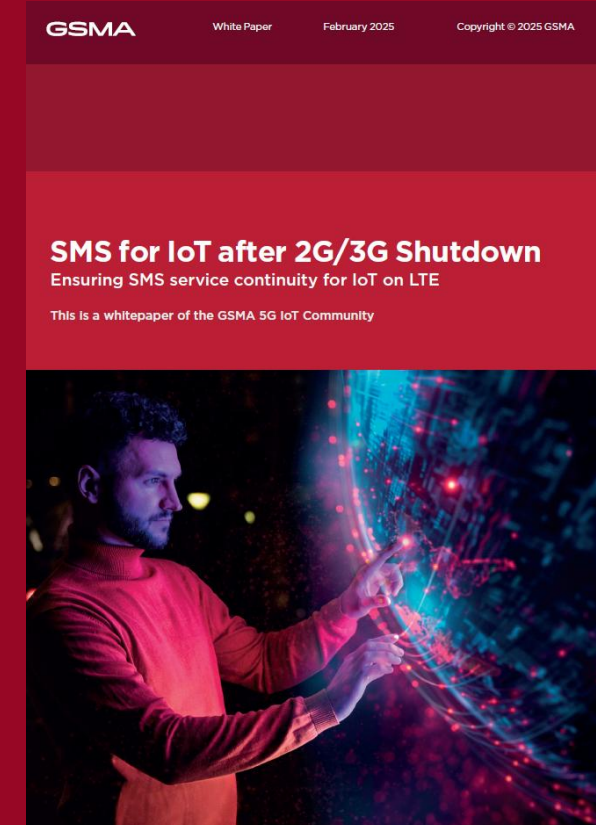
Vendors

Implement strict TS.34 behaviours to prevent signalling storms

Developers

Avoid access bursts and ensure remote fleet fixability

IoT Technology Longevity



Operators

Commit to long-term NB-IoT/LTE-M support and publish sunset roadmaps

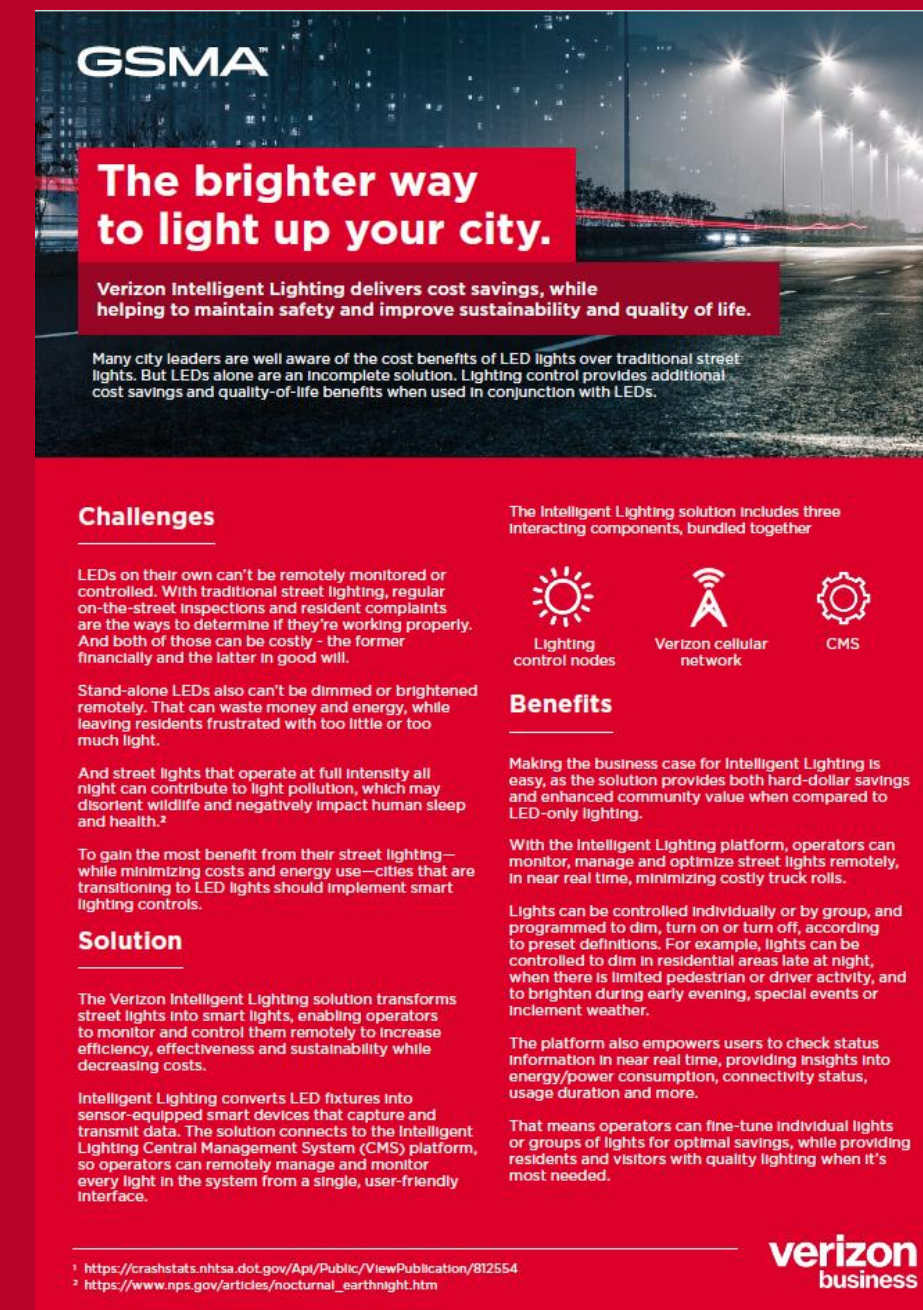
Vendors

Steer designs toward NB-IoT/LTE-M or RedCap/eRedCap – not legacy LTE categories

Developers

Choose technologies with a 10–15-year runway and design for futureproofing

Vertical Industry IoT Guides



Get Involved!

- Join the GSMA IoT Forum
- Be vocal – propose new strategic topics
- Send delegates to our Action Groups

GSMA
IoT Community



Thank you!

Let's Stay Connected...

<https://www.gsma.com/solutions-and-impact/technologies/internet-of-things/5giot/>

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