# Key trends in IoT connectivity

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## **'Transition Topics' for 2024**

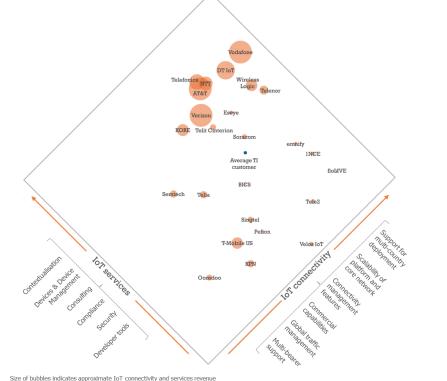
IoT and data regulations	The new data landscape and impact on IoT	IoT Application Enablement Platforms (AEPs)
Market segmentation, channels and partner programmes	Contextualisation	Video analytics enabled by AI
eSIM, particularly SGP.32	2G/3G sunsetting and implications for IoT	5G opportunities in IoT
Non-Terrestrial Networks (NTNs) and hybrid connectivity	Evolving mobile private networks (MPNs)	Cellular LPWA



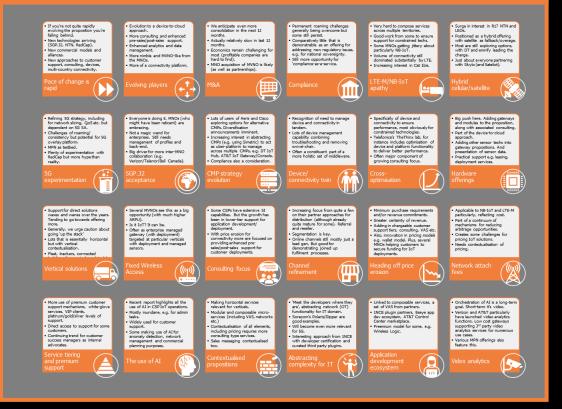
#### **CSP IoT Peer Benchmarking 2024**



#### Comparison of MNO/MVNO capabilities



#### Identification of key trends



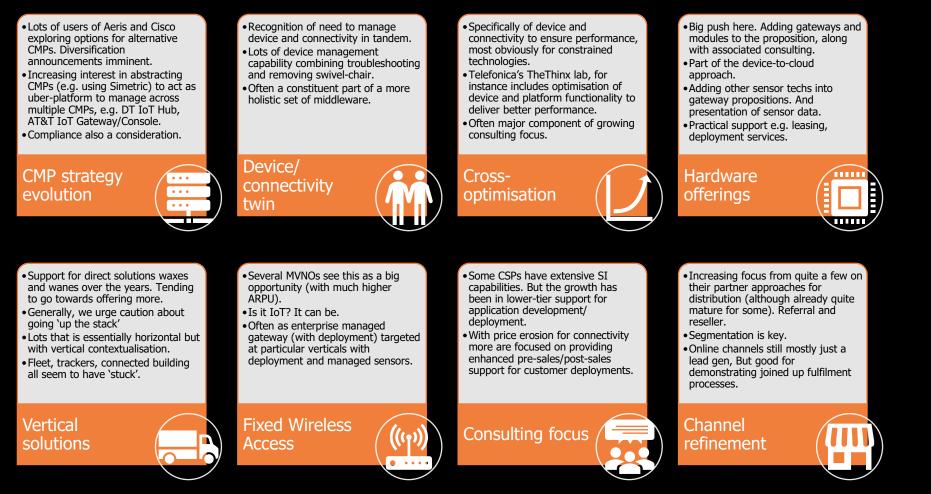
## TRANSFORMA<sup>†</sup>

## Key themes (1/3)



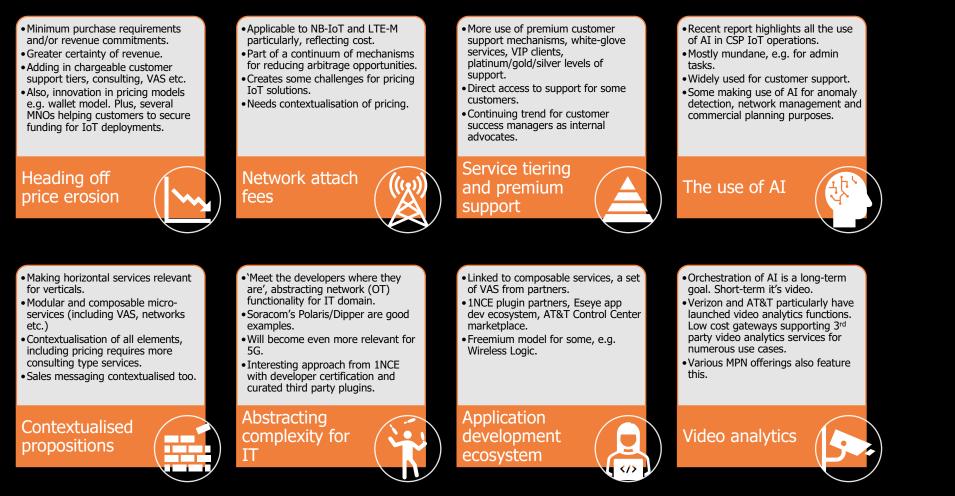


## Key themes (2/3)





## Key themes (3/3)

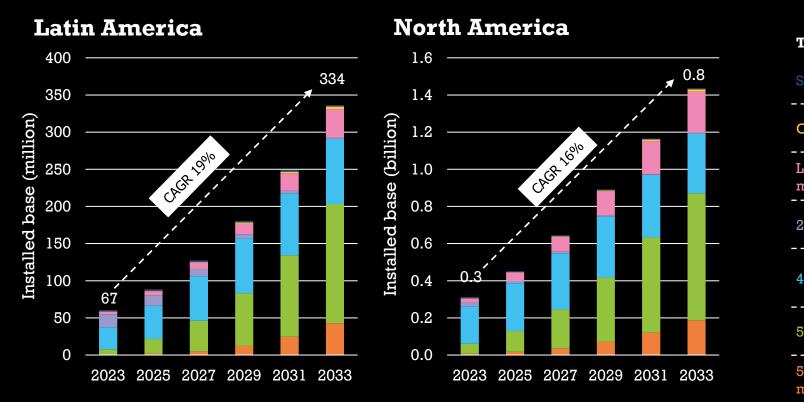


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#### IoT public network connections forecast, 2023-33, by technology

[Source: Transforma Insights IoT Forecast Database, 2024]



#### CAGR 2023-33

<b>Fechnology</b>	Latam	N Am	Leading applications
Satellite	27%	<b>26</b> %	Track & Trace, Container Tracking, Drones, Military, Assisted Living People Tracking
Other	0%	-3%	Smart Meters, Public Space Lighting, Crop Management, Connected Glasses, Fire Alarms
LPWA (non- nMTC)	28%	26%	Smart Meters, White Goods, Crop Management, Public Space Lighting, Track & Trace
2G/3G	-19%	-22%	Smart Meters, Emergency Call, Smart Grid, EV Charging, Track & Trace
łG	11%	5%	Vehicle Head Unit, Electricity Smart Meters, Road Fleet Management, Smart Watches, CCTV
5G mMTC	36%	29%	Track & Trace, Smart Meters, White Goods, Fire & Security Alarms, Stock Level Monitoring
5G non- nMTC	55%	39%	Vehicle Head Unit, Smart Watches, CCTV, Road Fleet Management, E-Bikes



The Transforma Insights IoT Forecast is based on a comprehensive analysis of 243 applications spanning the entirety of the IoT market opportunity. Forecasts cover 196 countries, with metrics including connected devices, annual shipments, RGUs, technology split, public vs private network split, vertical sector, and revenue (hardware, connectivity and services) all accessible via the online <u>Transforma Insights Forecast Database</u>. All connections are counted based on their highest embedded technology. Cellular (5G mMTC) includes NB-IoT, LTE-M and subsequent future evolutions. LPWA (non-mMTC) includes LORaWAN, Sigfox and other unlicensed technologies. Short Range includes Bluetooth, WiFi, Zigbee and other similar technologies.

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#### Thank you



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