

2023 Let's Connect Webinar Serie





RSP & eSIM
June



Control Center September



Security December



Topics















Typical IoT solutions





The full chain of an IoT Solution





Devices



Connectivity



Data Processing



Destination



Application



The different types IoT Propositions

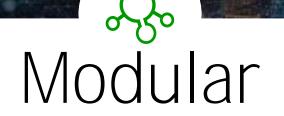




For testing the functionalities and PoC of your IoT solution.



A standard and more basic KPN IoT solution. Only available online.



Build an IoT solution based on our standard 5 building blocks.

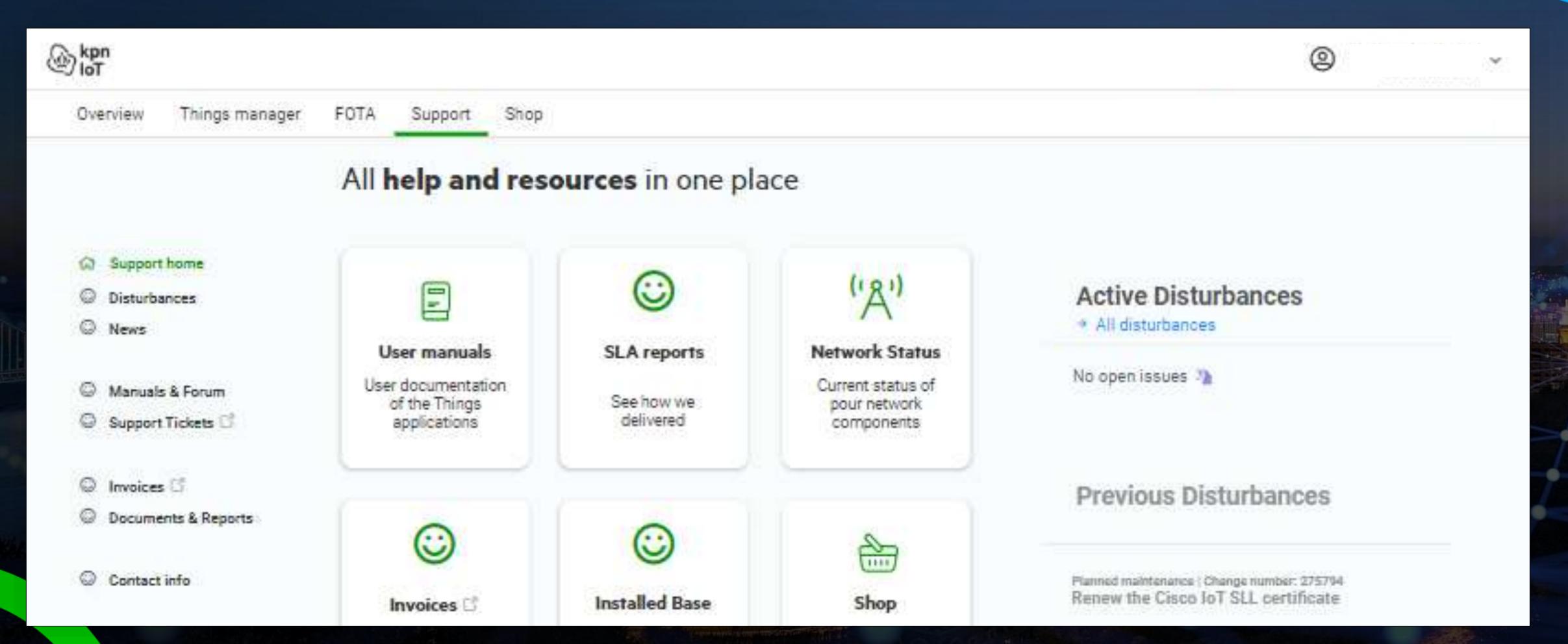


The tailor-made solution for your dedicated needs.

M2M Corporate



The KPN Things Portal

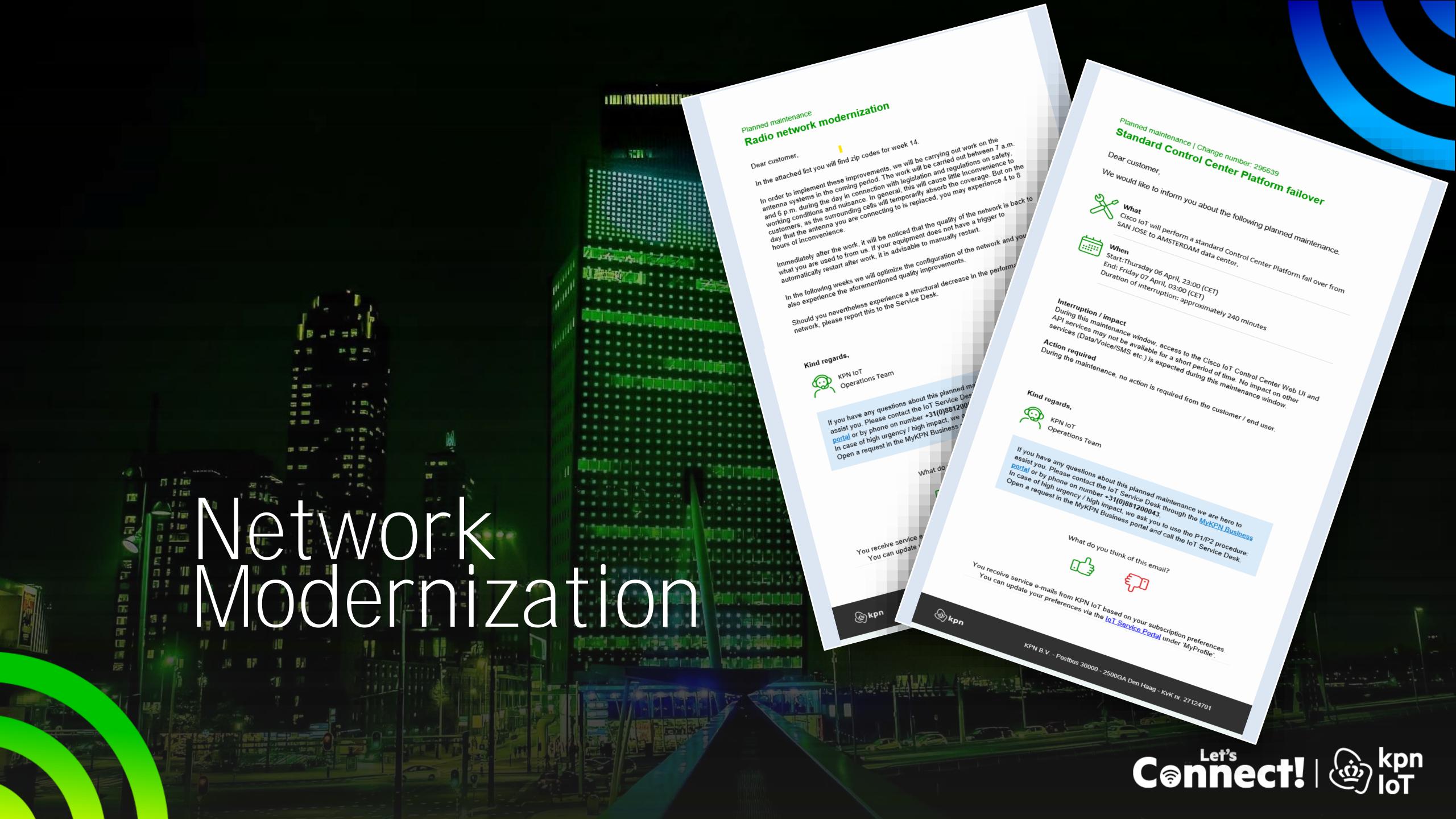


Your Takeaway

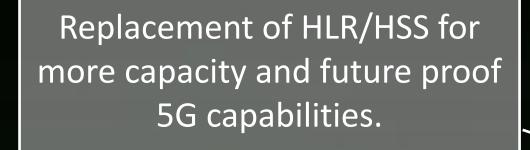


- Device network interactions become more relevant.
- KPN invests time and resources in hardware.
- KPN is integrating all IoT solutions in one Things Portal.
- KPN delivers off-the-shelve devices (e.g. routers).





KPN Network modernization



New Core network for more redundancy, capacity and security. Also, 5G future proof.



Replacement of the Dutch radio network for a stronger and more stable signal.





PGW

New Cisco integration in the core network for stability and opening new possibilities.



KPN Network modernization



Your Takeaway



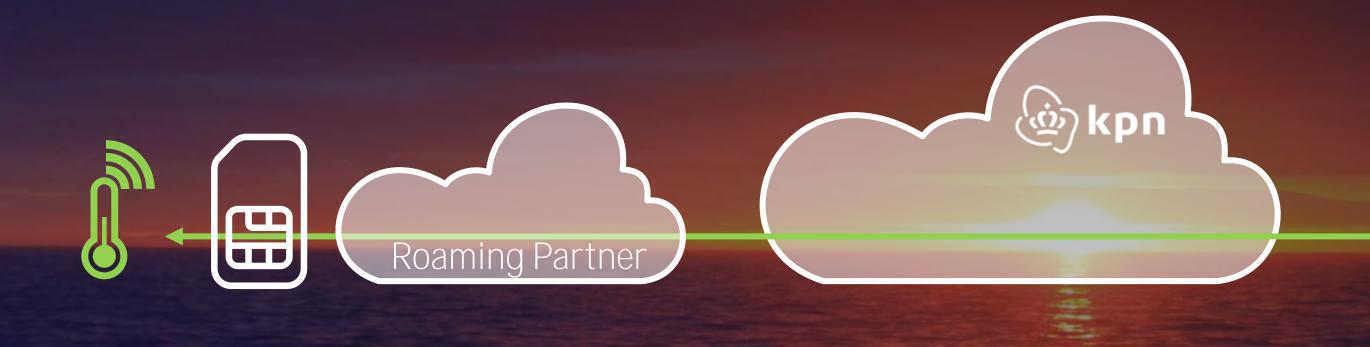
- Extra functionalities in our Destinations to your BackEnd.
- A lot of work behind the scenes, to keep delivering a stable and future-proof service.



Sunset of 2G & 3G Networks



Sunset of 2G & 3G



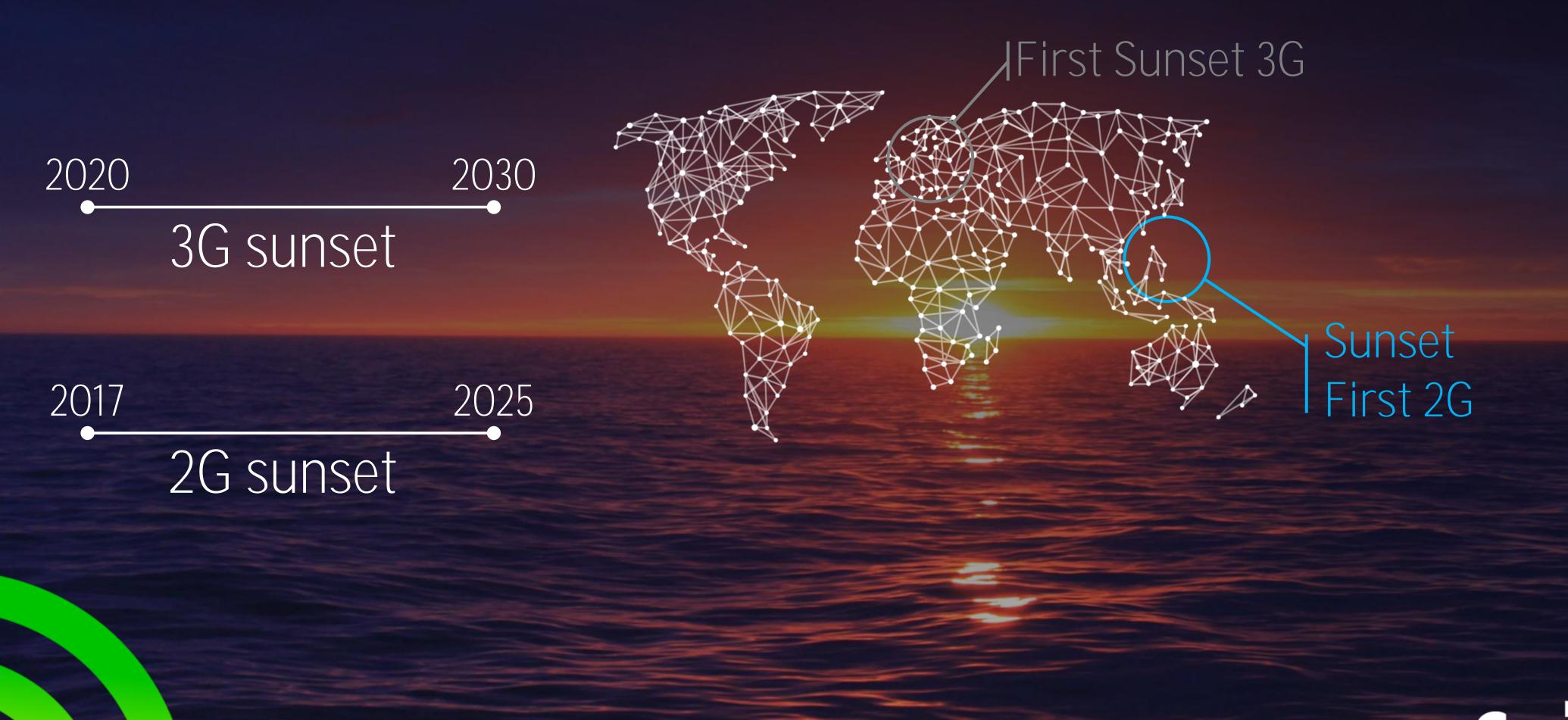




Sunsets of Networks

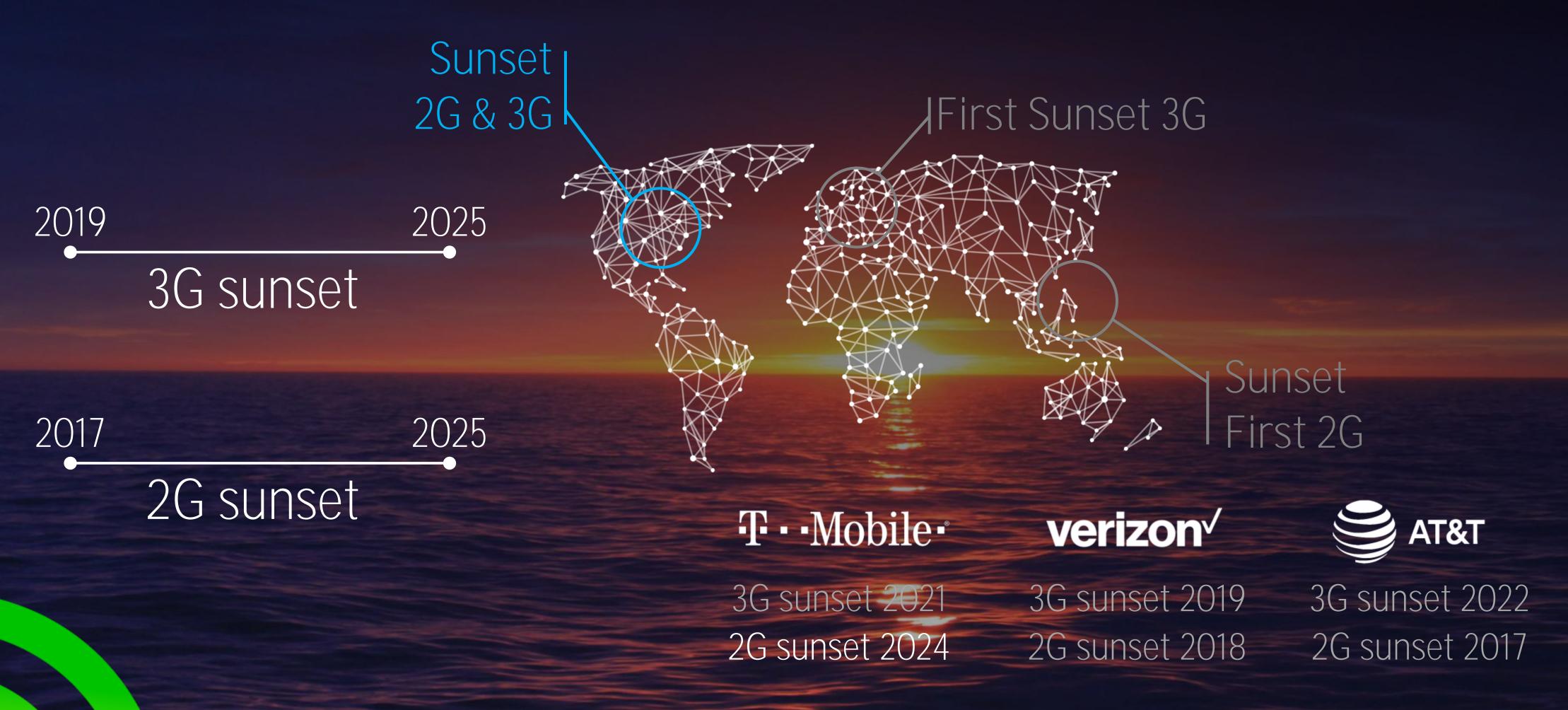


Sunsets of Networks





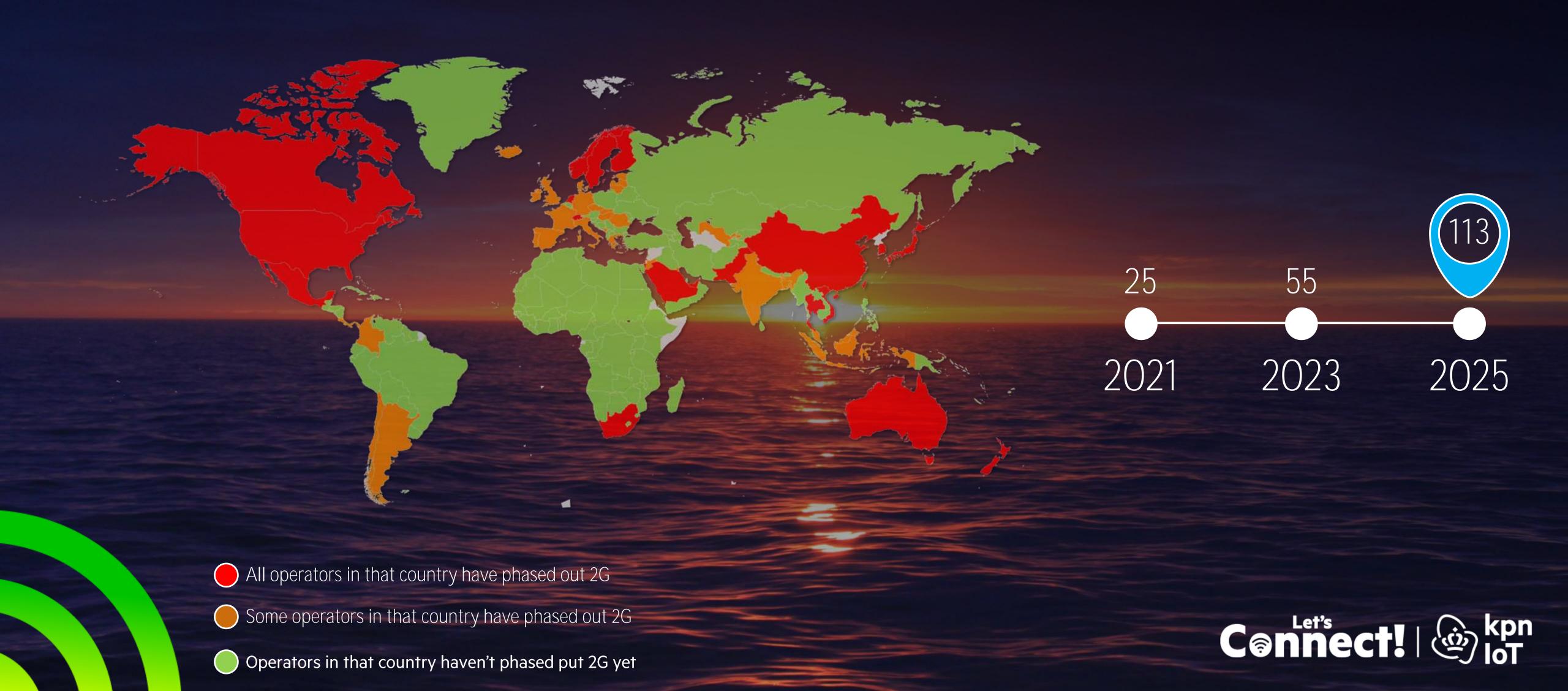
Sunsets of Networks





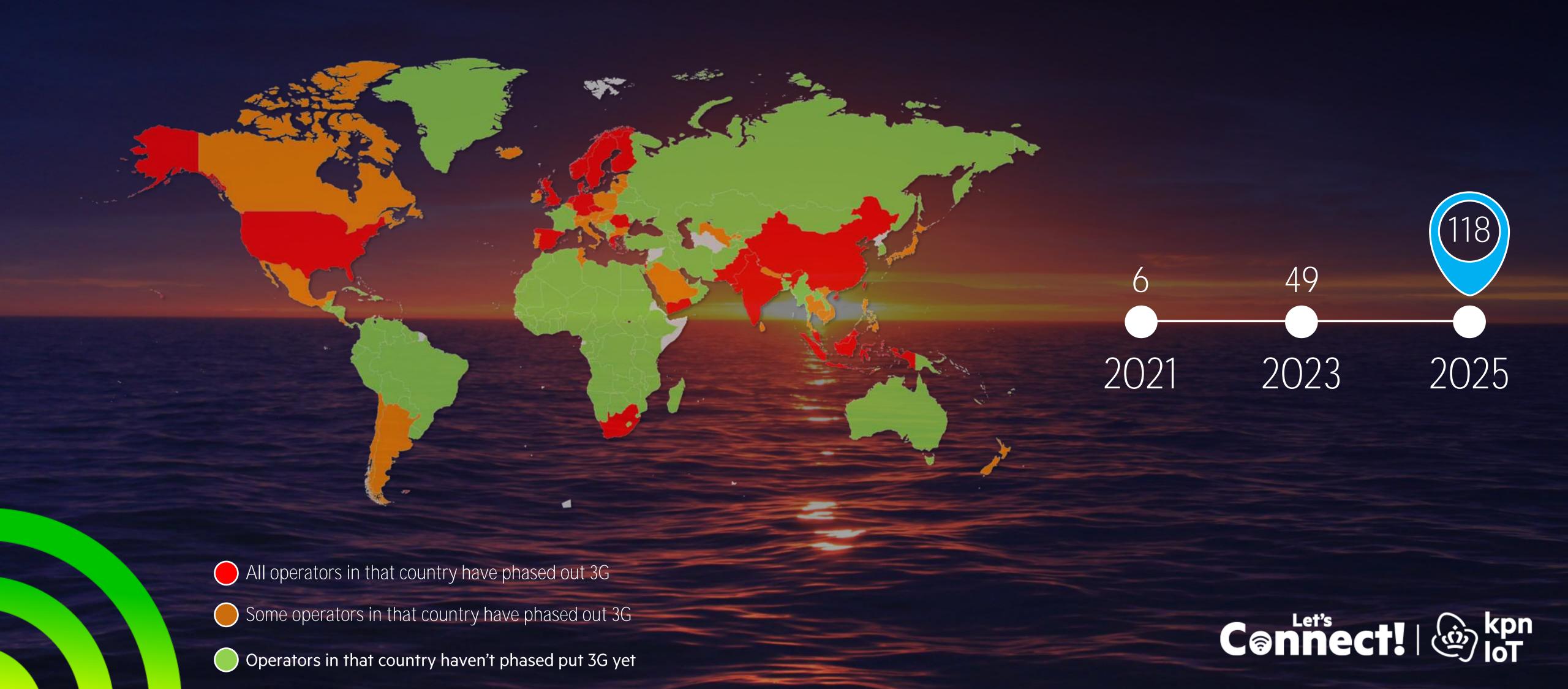












Your Takeaway

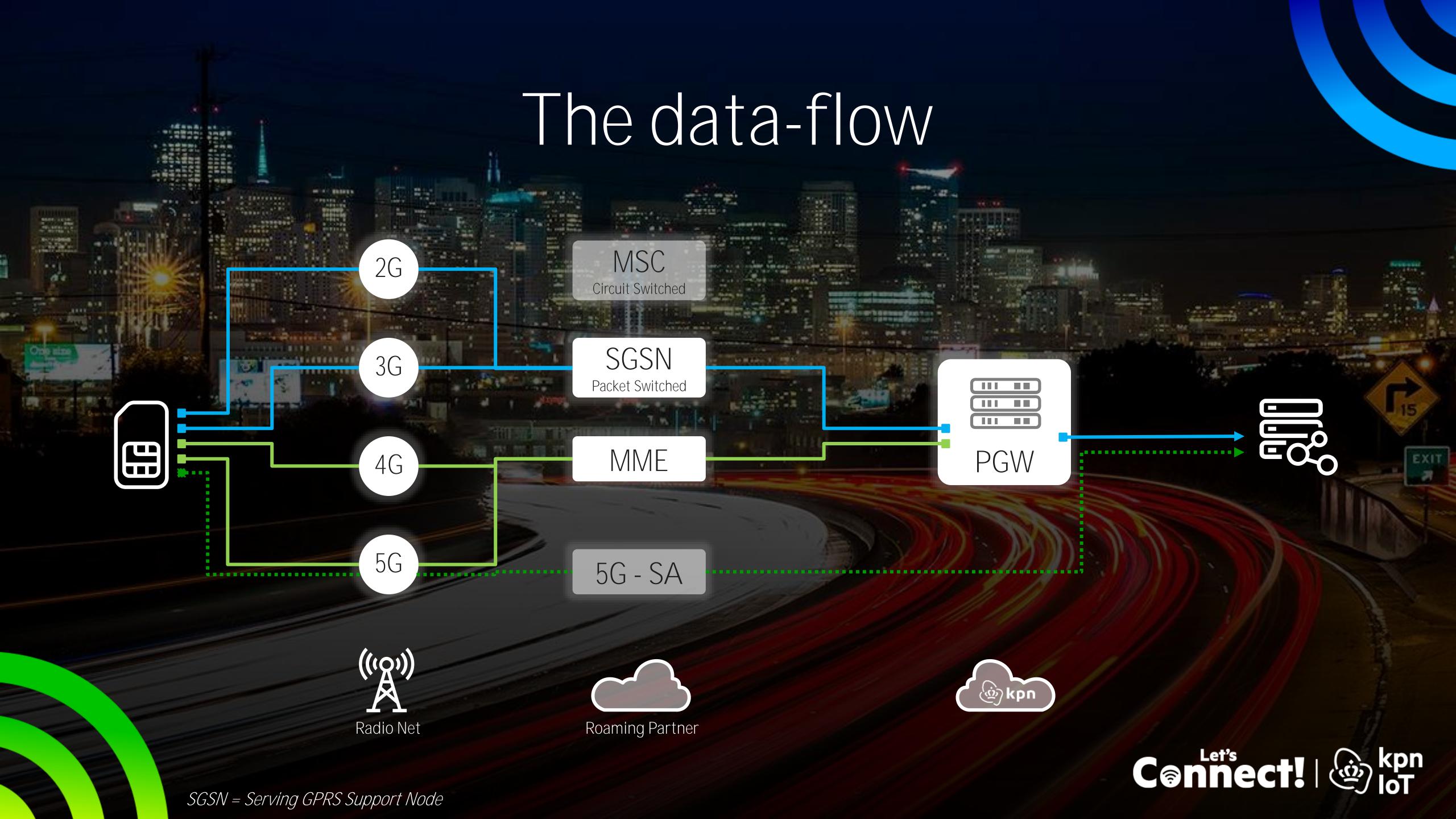


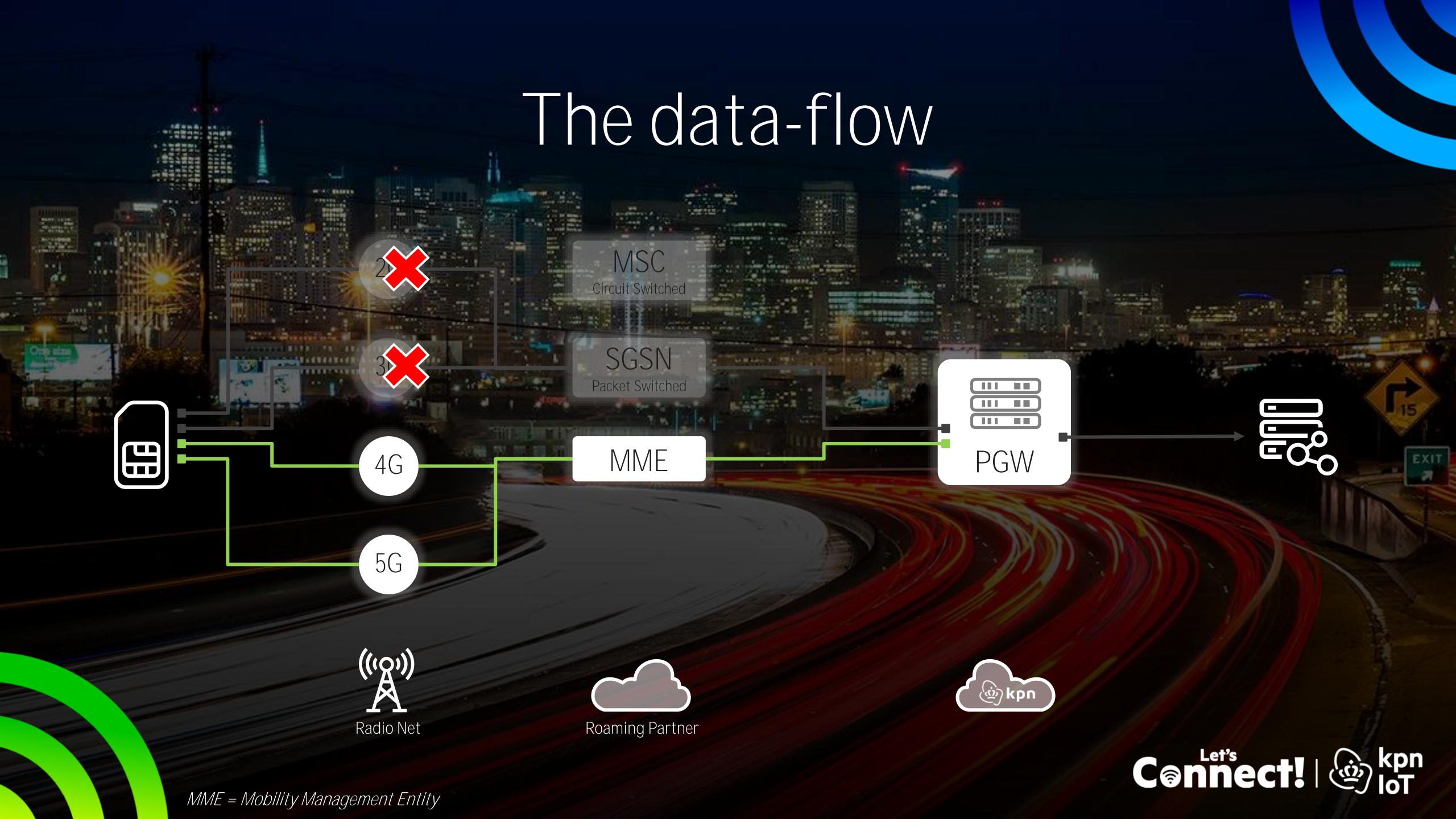
- 2G & 3G Sunsets are in full execution.
- New technology is required.
- Detailed information on the Service Portal.

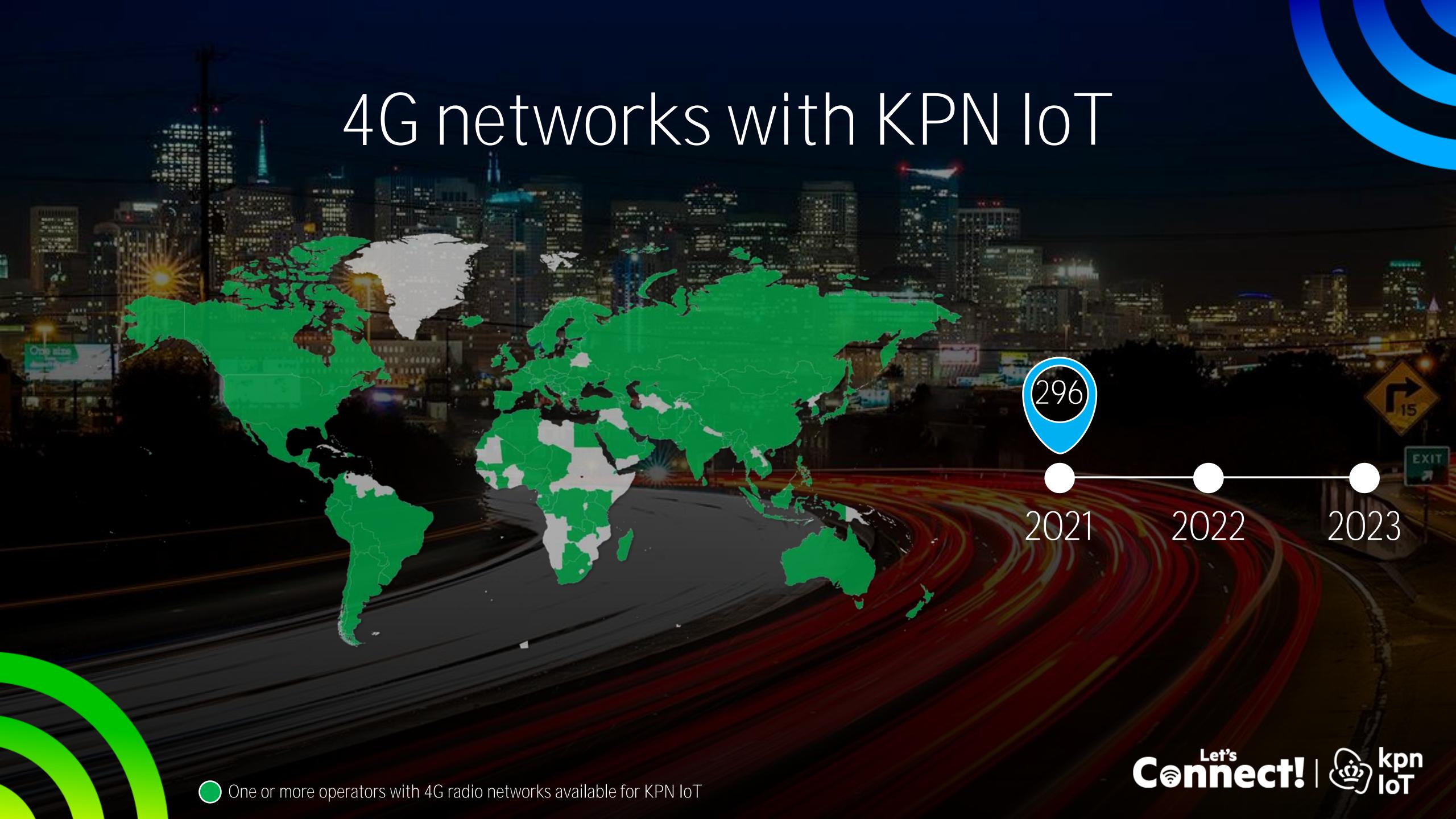


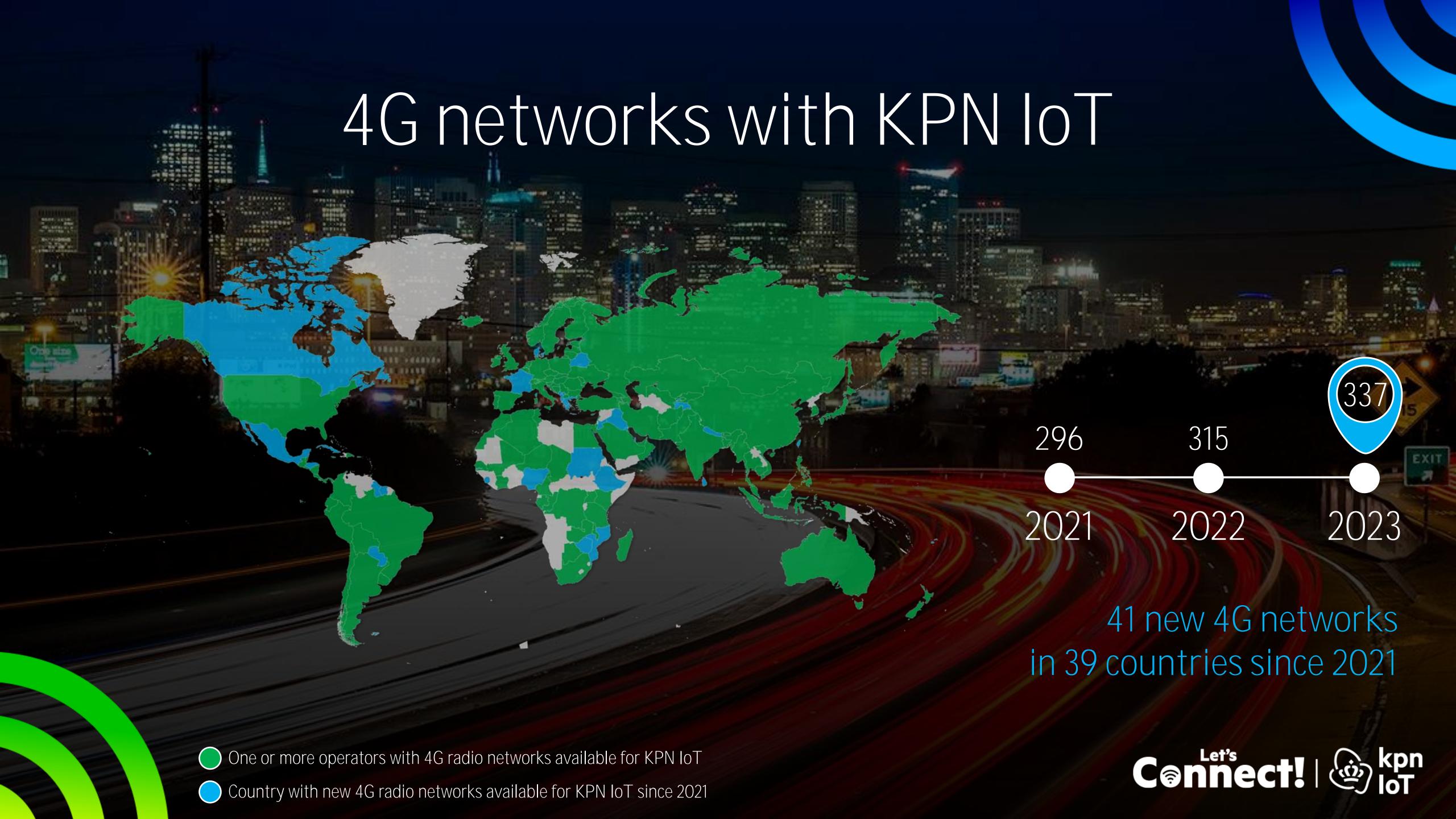


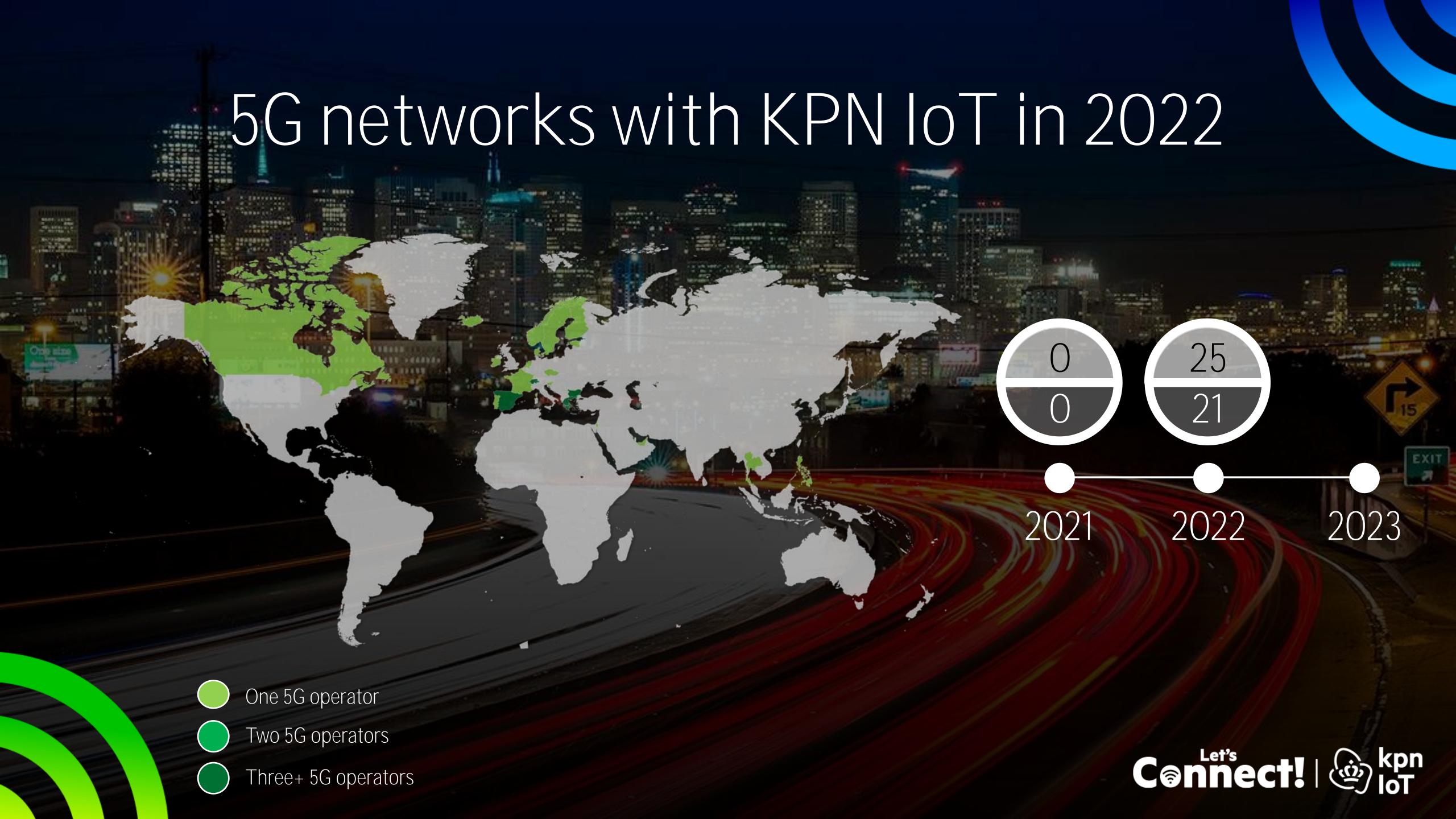


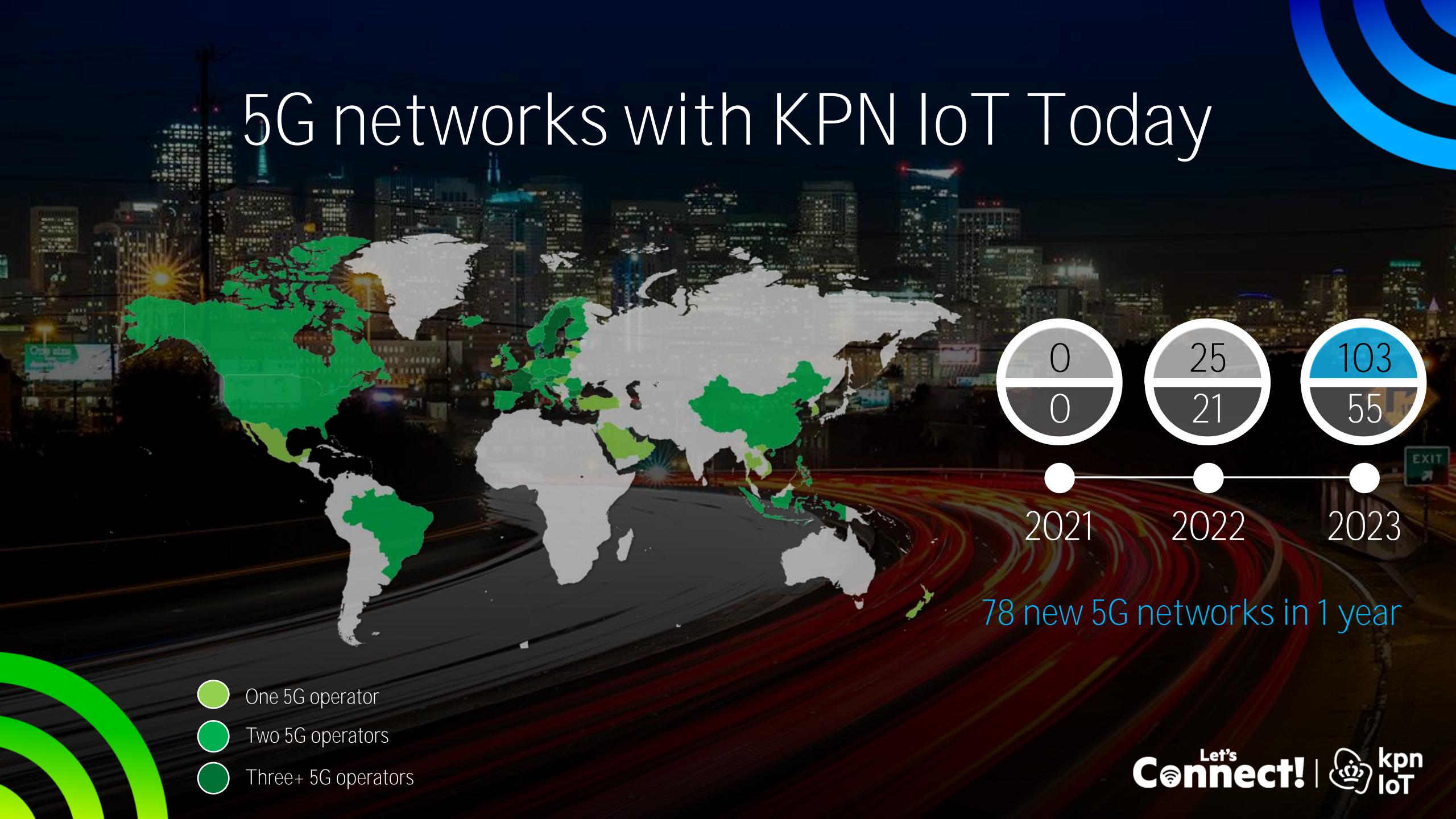












Your Takeaway

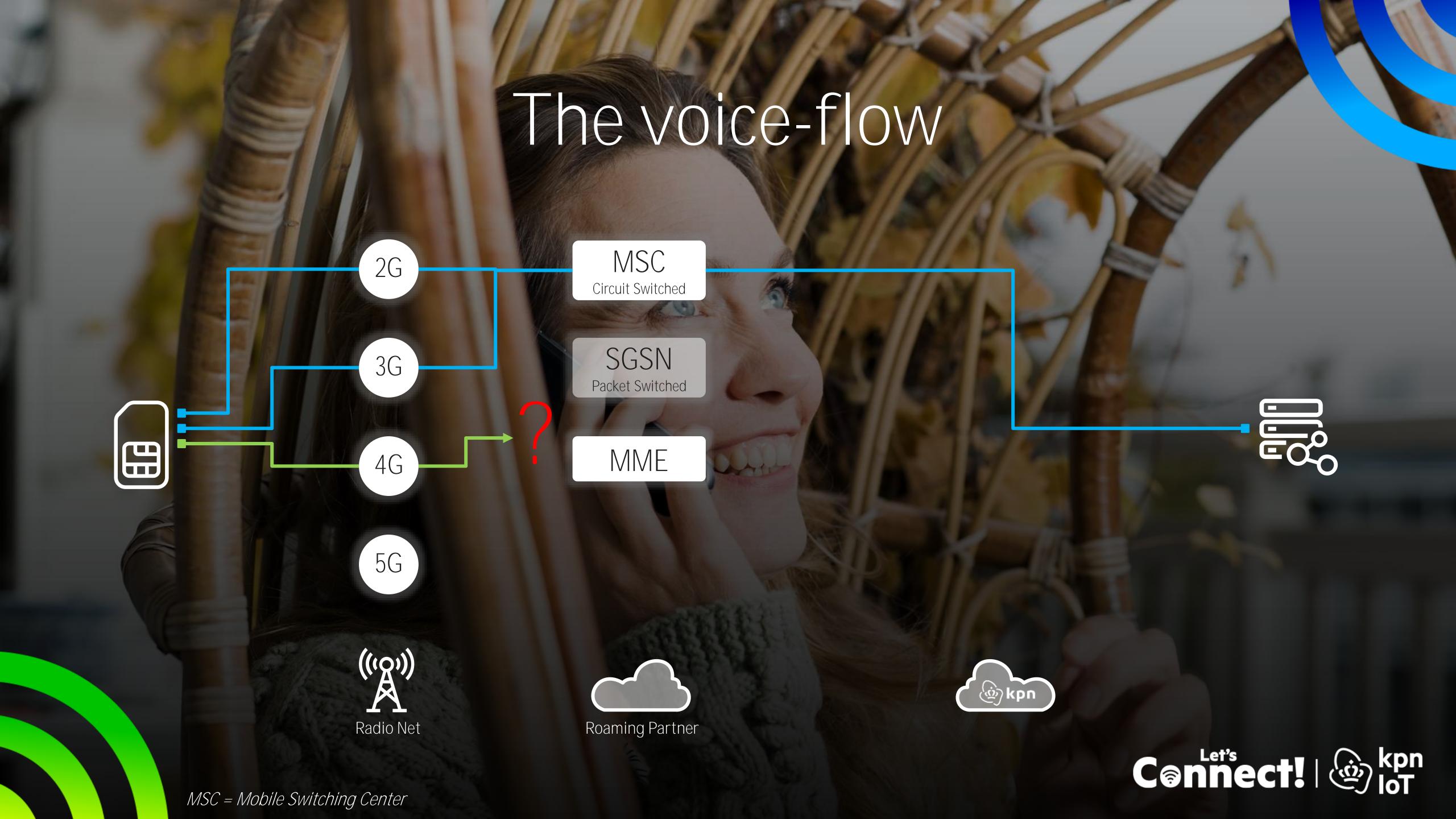
Ready

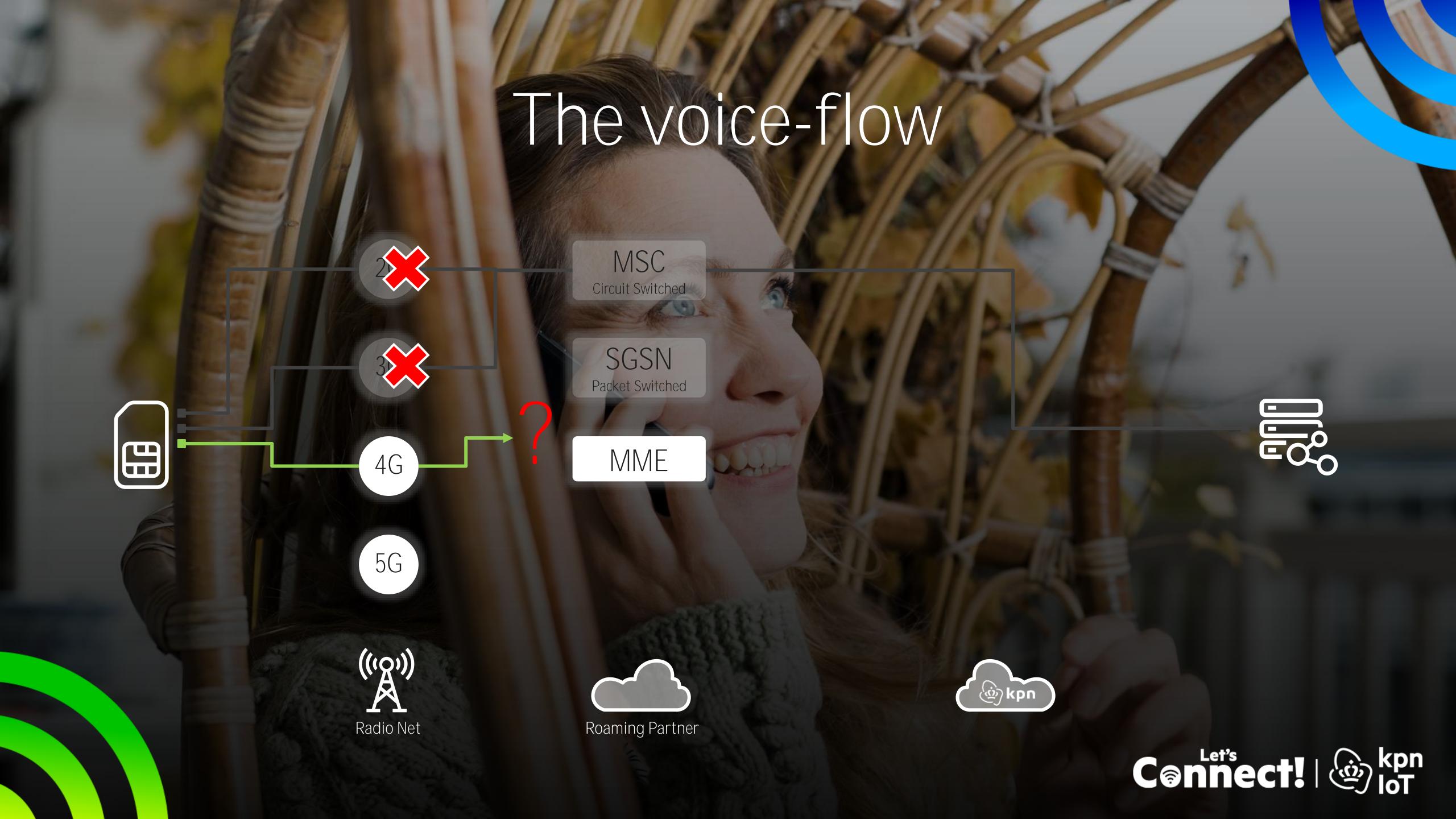
KPN invests heavily in worldwide 4G & 5G coverage.

Detailed information on the IoT Service Portal.









The Volte-flow

VolTE stands for Voice over LTE, which is the voice capability for 4G (and 5G) radio access, based on an IP data-flow.



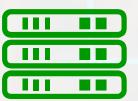
VolTE capable device



4G & 5G radio-access



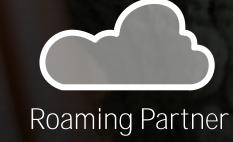
V-IMS VoLTE integration



IMS platform

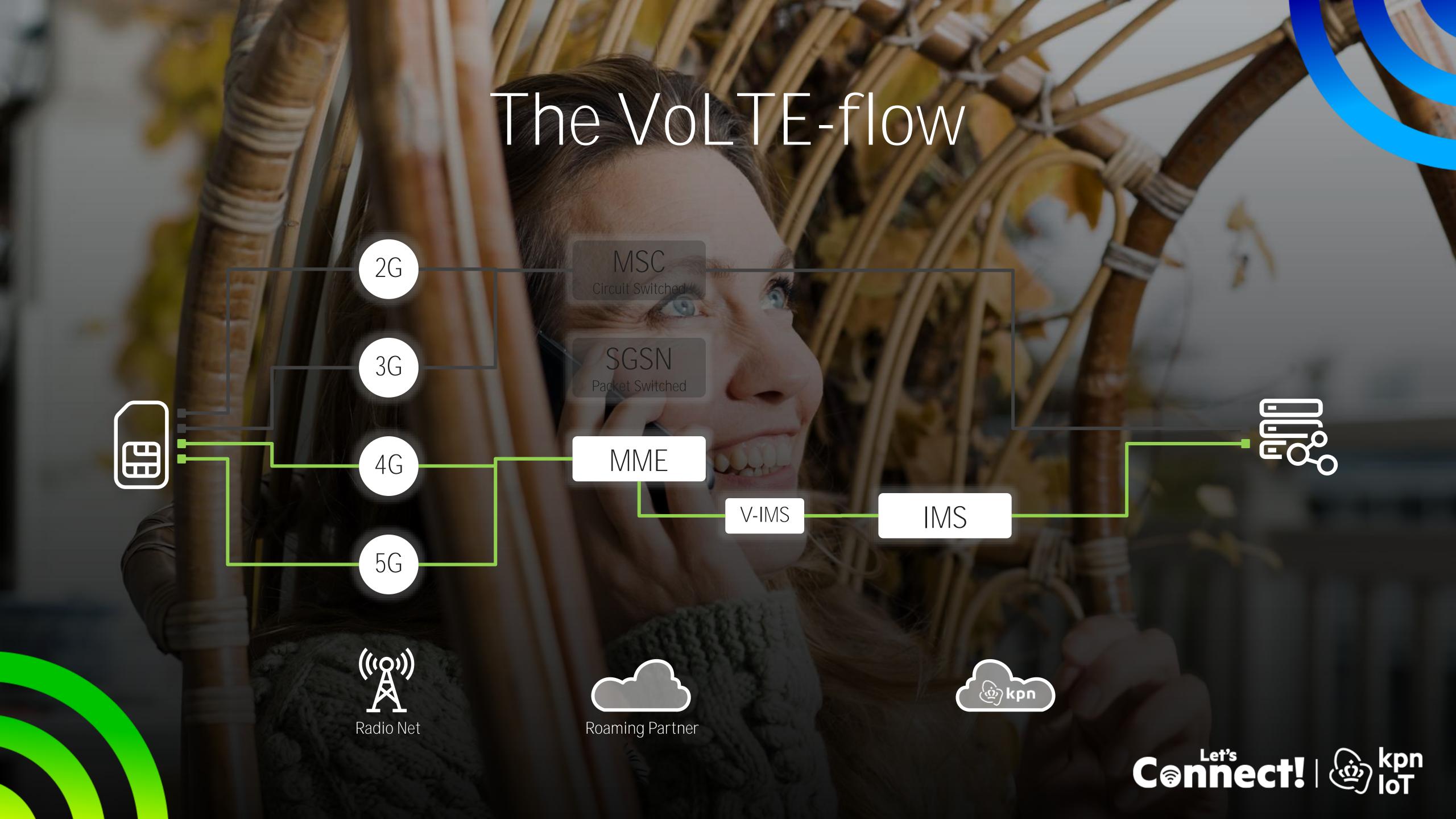












Your Takeaway

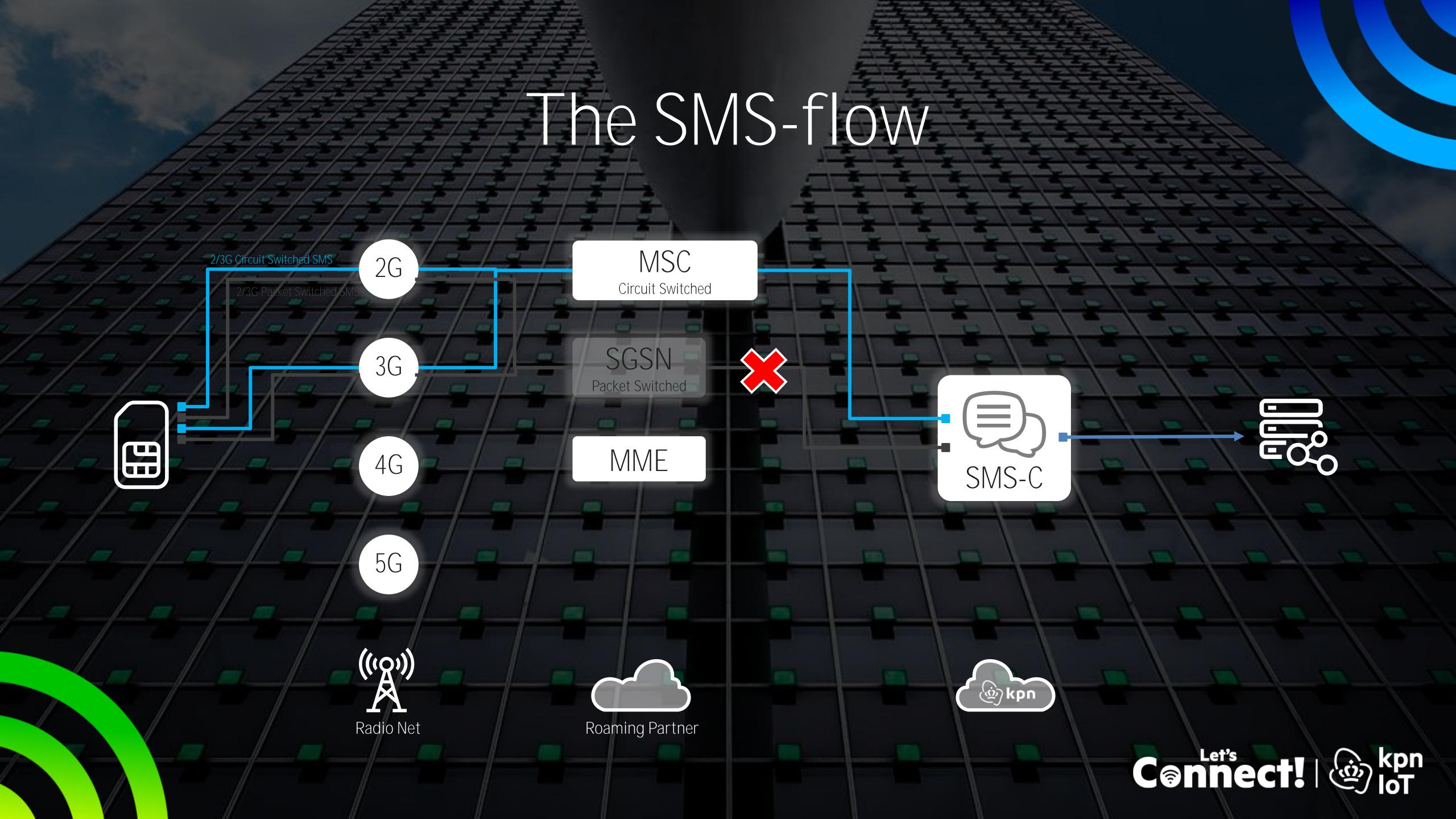


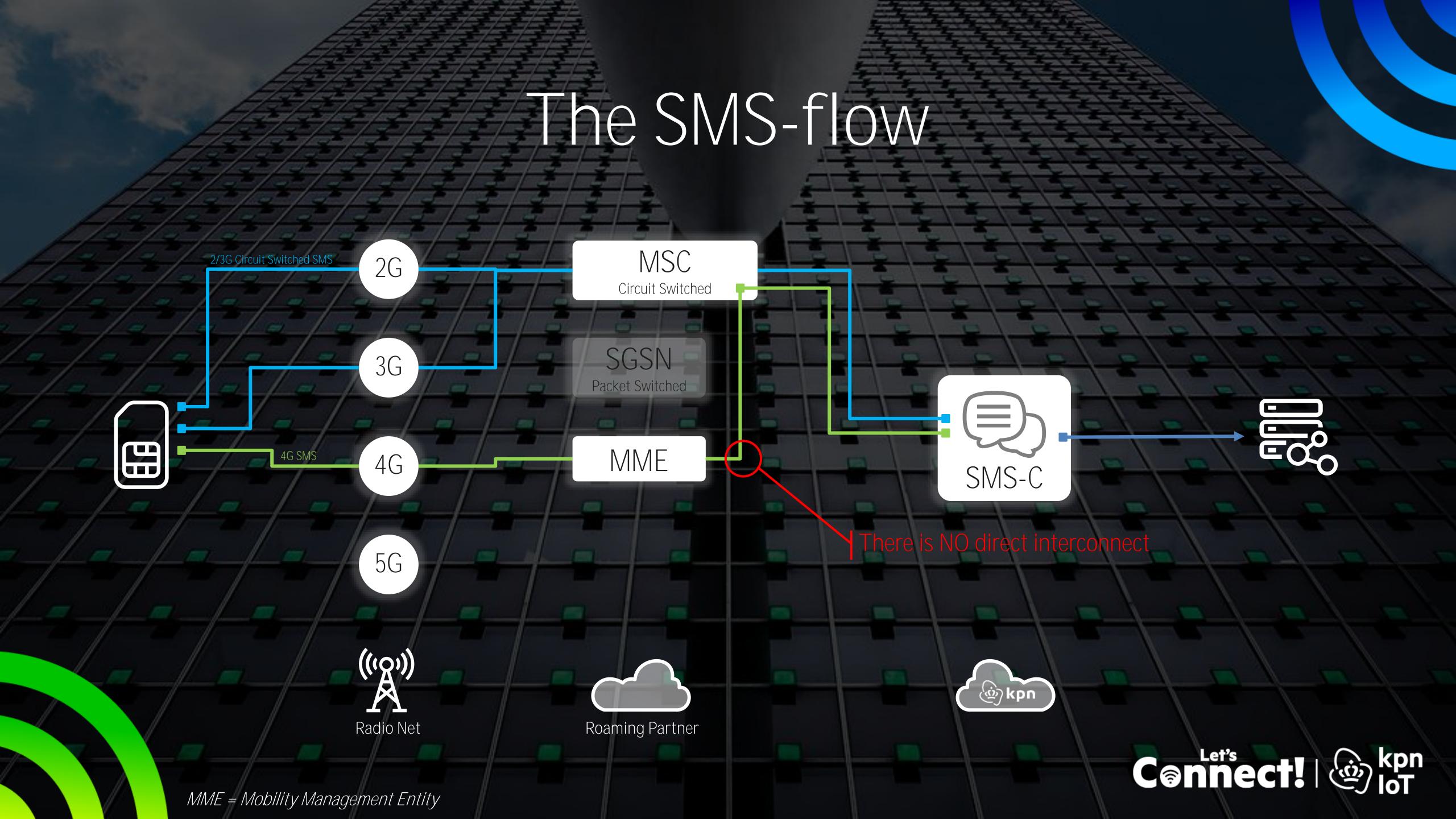
- KPN is working on the VoLTE-project.
- KPN introduces VolTE in Q1 2024.
- First in The Netherlands, then rolling out international.

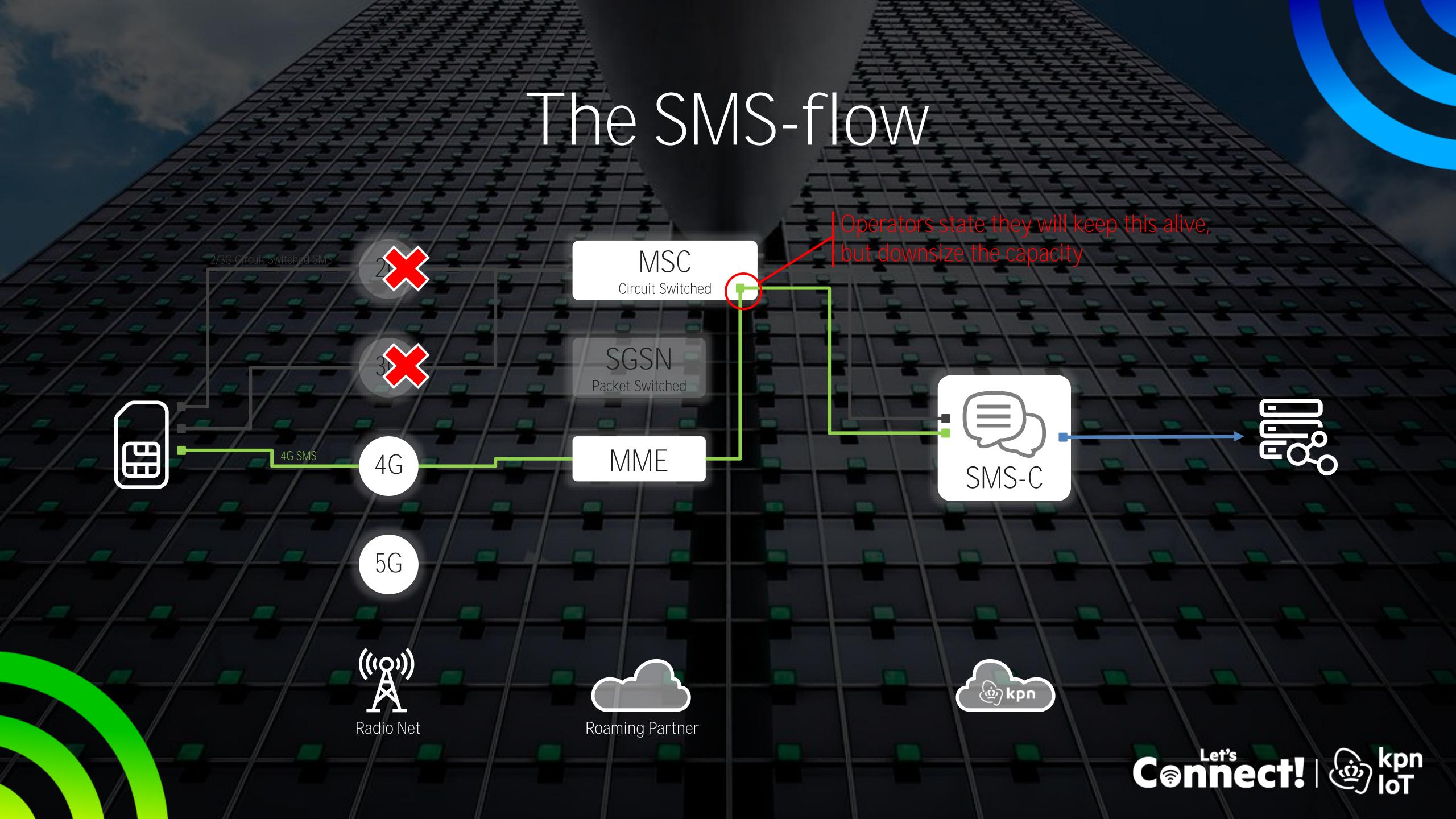




The SMS-flow MSC Circuit Switched SGSN 田田 MME 4G SMS-C 5G (iii) kpn Radio Net Roaming Partner Cannect! kpn loT SMS-C = Short Message Service Center







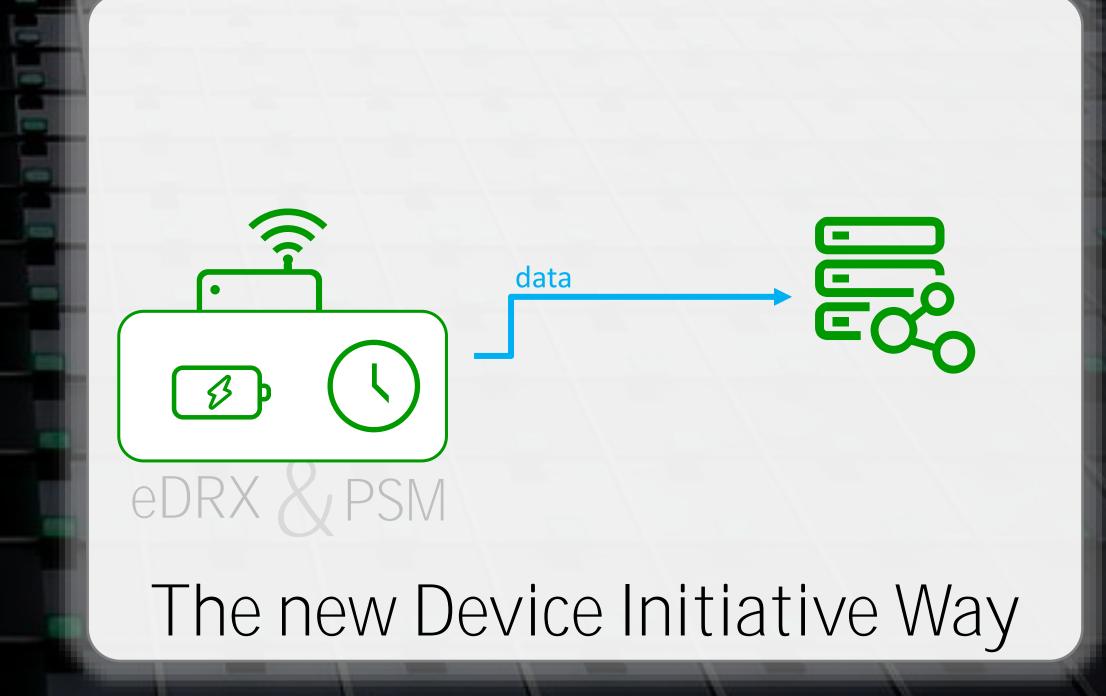
IMS can NOT deliver a Wake-Up SMS MME SMS-C V-IMS IMS (iii) kpn Radio Net Roaming Partner Cannect! | kpn loT IMS = IP Multimedia Subsystem

5G will make this possible again MME V-IMS IMS SMSF (iii) kpn Radio Net Roaming Partner Cannect! kpn loT

How to start a data-session?



The old SMS Wake Up Way





Your Takeaway



- 2G & 3G Sunsets require new ways to set-up a connection
- Operators will for now keep the 4G-SMS flow available
- KPN promotes the 5G SMS-flow towards the GSMA

Recap

Portfolio



Our new IoT chain and service in the Things Portal.



Worldwide sunsets are becoming a reality.





Introduction of VoLTE beginning next year (2024).

Network



Modernization of the KPN network for 5G Core.





KPN expansion of available 4G & 5G networks.

SMS

Sunsets have impact on SMS Wake-up messages.



