



Mobile & Wireless Roundup No. 122 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 122nd edition of this newsletter. This week, I came across a [LinkedIn post](#) that made an excellent point: *“IoT’s biggest challenge isn’t the tech – it’s how we communicate its value.”* It resonated deeply with me because I’ve often [voiced](#) similar frustrations, albeit directed at network equipment vendors and mobile operators.

Years ago, during my coding days with C++, I faced a similar challenge. I’d only formally studied C, so when working on complex projects, I’d often create simple, exemplary programmes to ensure I wasn’t making any algorithmic missteps.

We also had a few gap-year students struggling with C++. To help them, I began compiling examples, which ultimately led to a blog titled [‘Advanced C++ with Examples.’](#) To my surprise, it gained traction. People appreciated the simplicity of examples that demystified complex problems.

I believe our industry can learn from this approach. We often discuss grandiose use cases but rarely explain, in straightforward terms, how off-the-shelf components can bring these ideas to life. IoT is a perfect example. Despite the abundance of non-cellular IoT technologies, we lack accessible, real-world examples that motivate people to integrate them into their products, homes, or enterprises. With such examples, adoption could grow organically, potentially snowballing into widespread use.

For those of you who don’t know me, I am a technologist with over 25 years’ experience in mobile wireless technology, currently working as an independent advisor, analyst, consultant and a trainer. This newsletter is a summary of my posts and other news that caught my attention since the last newsletter.

CW ACADEMY: AN INTRODUCTION TO 6G

Led by Zahid Ghadialy

11 Feb 2025

9:00 - 17:30

The Bradfield Centre, Cambridge Science Park



£400 + VAT for CW Members - £500 + VAT for Non-Members

© 6G

- Free 6G Training - Testing in the 6G Era: Ensuring a Reliable Future for Wireless Communication ([link](#))
- Free 6G Training — Exploring ETHER: A Leap Towards Unified Terrestrial and Non-Terrestrial Networks ([link](#))
- ETRI, World's First 200Gbps 6G Wireless Demonstration Succeeds ([PR](#) in Korean)



- Free 6G Training — Energy Efficiency in 6G: A Path Toward Sustainable Networks ([link](#))

📡 5G

- NTT Docomo Technical Journal Special Articles on 3GPP Release 18 Standardization Activities: Overview of 5G Core Network Advanced Technologies in 3GPP Release 18 ([link](#))
- Emil Björnson on LinkedIn: "Is 5G a disappointment? I provide my take on this in a new blog post. The short answer is that 5G is still in development, both in terms of activating the new technical capabilities in the networks and the business side of creating new 5G-enabled end-to-end services..." ([link](#))
- RCR Wireless: Six operators advancing on 5G-Advanced ([link](#))

📡 4G/LTE

- 5G & LTE Deployments summary chart ([link](#))

📡 2G/3G

- Virgin Media O2 to begin 3G switch off in Durham in April ([PR](#))
- BT Blog: Giving UK businesses the future-fit mobile networks they need ([link](#))
- Kester Mann on LinkedIn: "UK operators made two important announcements this morning as part of the migration away from legacy mobile networks..." ([link](#))
- EENA Calls for BEREC to ensure copper switch-off lessons are applied in the 2G and 3G switch-Off ([PR](#))

📡 Open & Disaggregated Networks (including Open RAN, vRAN, etc.)

- ODIN: NTIA's \$1 Billion Trump Card For Open RAN ([link](#))



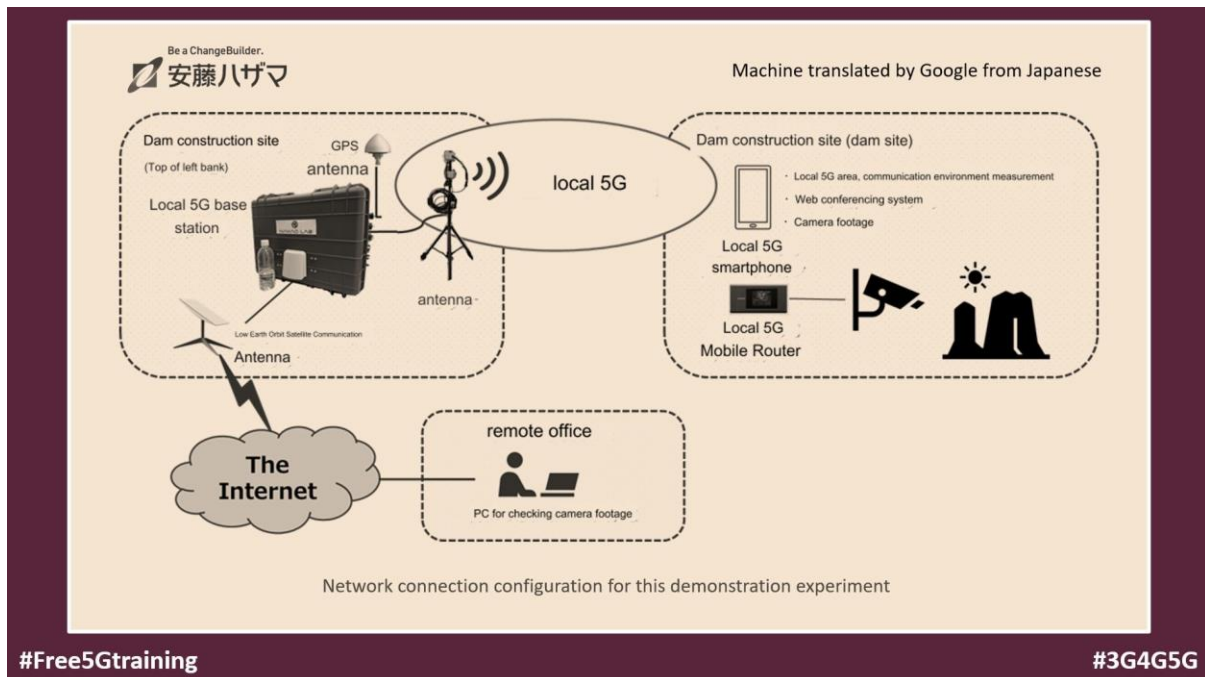
- Light Reading: Open RAN could see a resurgence during Trump 2.0 ([link](#))
- UK Government - Global Coalition on Telecommunications: Open RAN certification principles ([link](#))
- ODIN: Rakuten To Orchestrate Open RAN Efforts In Kenya And The USA ([link](#))
- RANsemi Introduces End-to-End 5G Open RAN Starter Kit ([link](#))

🕒 Spectrum

- MWL – India: Adani Group mulls abandoning 5G plans ([link](#)) – they had won 400MHz of spectrum in the 26GHz band.
- Light Reading: India approves spectrum refarming to boost 5G and prepare for 6G ([link](#))
- RCR Wireless Analyst Angle: CTIA's inaccurate US mid-band spectrum numbers ([link](#))

🕒 Private Networks

- Private 5G Solution with Starlink Backhaul in Japanese Dam Construction ([link](#))



- Light Reading: China edges toward private 5G reform ([link](#))
- Private Networks Technology Blog: e-UM 5G or leum 5G ([link](#))
- RCR Wireless: A (baker's) dozen key UK private 5G projects to make Industry 4.0 rise ([link](#))
- Oxfordshire County Council has chosen Vodafone to build and manage a 5G Standalone (5G SA) mobile private network (MPN) at Harwell Science and Innovation Campus ([PR](#))
- Boldyn Networks solidifies global leadership in mobile private networks with agreement to acquire German Smart Mobile Labs ([PR](#))
- RCR Wireless: Reality check – four reasons private 5G sucks, one reason it rocks ([link](#))
- Private Networks Technology Blog: Taiwan Integrates Local Culture with Private 5G Networks to Accelerate Growth ([link](#))

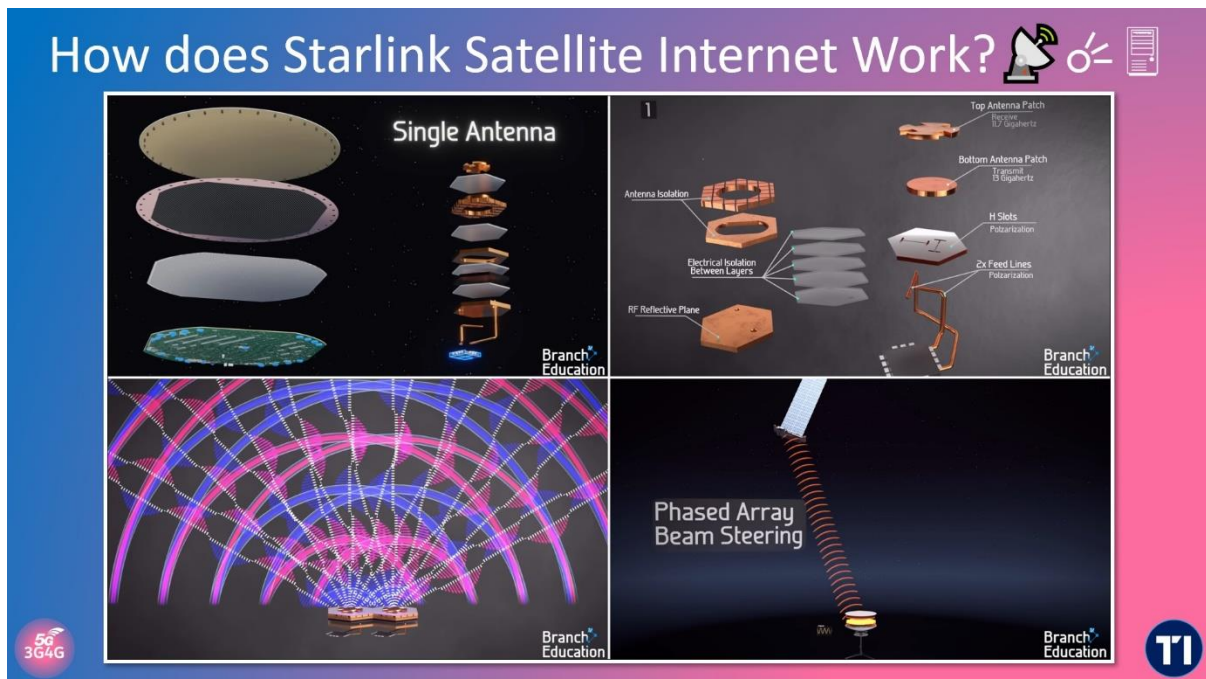
🕒 IoT / M2M / Smart Homes

- u-blox Announces Strategic Decision to Increase Focus on Locate Business and Phase Out Cellular as well as an Impairment ([PR](#)) – a short discussion on LinkedIn in a post by Matt Hatton [here](#).
- Matt Hatton on LinkedIn - CES 2025: transition in action ([link](#))
- MWL: Sequans doffs eRedCap to Swiss specialist ACP ([link](#))

🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Paul Rhodes on LinkedIn — Thursday School: Strap-On Small Cells ([link](#))

- Telecoms Infrastructure Blog - Decoding Starlink: The Technology Behind the Revolution ([link](#))



🕒 Virtualization, Cloud & Edge

- The 3G4G Blog: Lessons from ANRW '24: AI and Cloud in 5G/6G Systems ([link](#))

🕒 Security & Privacy

- Salim S I on LinkedIn: "New fuzzing tool ASNFuzzGen uncovers 119 vulnerabilities in packet-cores, with 'structure aware' fuzzing. We know that ASN.1 decoders are flaky [2], the non-ASN.1 vulnerabilities in protocol handlers is the most striking aspect here..." ([link](#))
- Silke Holtmanns on LinkedIn: "The dutch government audited their own cloud and published the results, not only in dutch, but also in english, so that others can also learn. Respect!!! ..." ([link](#))
- Denis Laskov on LinkedIn: "How much shared computing power will autonomous vehicles have, and how can we protect this supercomputer from becoming an evil super-botnet?..." ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- Orange Newsroom - Latest Generation 5G: Towards a Connected Metz-Saarbrücken Axis for Autonomous and Secure Mobility thanks to Vantage Towers, TOTEM, Orange, O2 Telefónica and htw saar ([PR](#))

🕒 Smartphones, Devices, Wearables & Gadgets

- MWL: Smartphone market breaks losing run ([link](#))

🕒 AI, ML & Automation

- TelecomTV: Nvidia slams Biden's parting AI tech sanctions plan ([link](#))
- MWL: UK sets out £14B plan to unleash AI ([link](#)) – official announcement [here](#).
- Jinsung Choi on LinkedIn: A Festival of Orchestrators ([link](#))

- Nokia white paper, 'AI for Radio Access Networks' ([link](#))



- Telecoms.com: Tech heavyweights to invest \$500 billion in new US AI mega-project ([link](#))
- Jinsung Choi on LinkedIn: Service Chaining of RAN Slicing and Edge AI Inferencing: Unlocking the Full Potential of AI-RAN Systems ([link](#))
- Fierce Network: Forget 'telco to techco' – operators now want to be AI giants ([link](#))
- TelecomTV: Will AI and automation lead to telco job cuts? ([link](#))
- Jinsung Choi on LinkedIn: The Importance of Sourcing High-Quality Datasets for AI/ML in AI-ORAN ([link](#))

🕒 Satellites, HAPS, Drones, UAVs & Space

- Fierce Network: Edge AI could test Starlink's mettle ([link](#))
- Kim Kylesbech Larsen on LinkedIn: "The rise of #LEO #satellites has sparked discussions about the potential obsolescence of terrestrial cellular networks and whether we are heading toward the Post Tower Era..." ([link](#))

🕒 Wi-Fi

- Ookla - High-Speed Hospitality: Only Half of MENA's Luxury Hotels Offer Wi-Fi with 50 Mbps or more ([link](#))

🕒 Public Safety Networks

- Light Reading: UK's 4G-based ESN gets a fresh start as IBM takes on key role ([link](#))

🕒 Other News and Technology Stuff

- Fierce Network Op-Ed: Op-Ed: Mobile operators are at the mercy of 22-year-old whiz kids ([link](#))
- CNET: AT&T Is Stopping Its 5G Internet Air Service in NY Because of New Broadband Law ([link](#))
- Cerebras: 100x Defect Tolerance: How Cerebras Solved the Yield Problem ([link](#))

- TelecomTV: Can the quantum computing sector prove Jensen Huang wrong? ([link](#))
- ComCom orders: Swisscom must operate zero-settlement peering with Init7 ([link](#))

📷 **Picture of the week:** Today we are sharing a [picture](#) of 'Large-zone Base Station' on [top of](#) Docomo Osaka Nanko Building in Japan. This slightly old [annual report](#) explains that these Base stations are solely for use in an emergency that cover a wider area (radius of approximately 7km) than standard base stations.



Happy to hear your thoughts. Feel free let me know what worked, what didn't, how I can make this better, etc. Get in touch over LinkedIn!

PDF version of this and previous newsletters are available [here](#).