Mobile & Wireless Roundup #39 (see original on [LinkedIn](#)!)

By Zahid Ghadialy

Welcome to the 39th edition of this newsletter. The conference season has started. I am off to the [6G Summit](#) in Berlin next week which is co-located with [Open RAN World](#). For some reason, [6G Symposium](#) is also next week. While the [6G Global Summit](#) in Bahrain is the week after 🤷.

Another event I am looking forward to is the [FutureNet World](#) which takes place 3-4 May in London. I was very impressed by the speaker line-up last year and the people I met during breaks. Also the [barista coffee](#) gets 10/10 in my book 😁.

One of the things I really missed during the period of online conferences were the chats during breaks or over food and drink. I also got the impression in the online presentations that many speakers were just reading from notes. In comparison, on stage, the speakers provide a lot more information then they originally planned or intended to. Both these formats definitely have their place though most people I know favour physical events over online ones.

For those of you who don't know me, I am a technologist with over 24 years' experience in mobile wireless technology, currently working as an independent analyst, consultant and a trainer. This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.

◉ 6G

- Free 6G Training: South Korea's MSIT Launches the K-Network 2030 Strategy ([link](#))
- Free 6G Training: UK Government Investing £100 Million in Future Telecoms Technologies (a.k.a. 6G) ([link](#))
- Total Telecom: UK's new wireless strategy targets 5G standalone and 6G ([link](#))
- 6G World: Brazil Partners with China Eyeing 5G and Beyond ([link](#))

◉ 5G

- Summary of 3GPP RAN Plenary Meeting #99 - Q1(March) 2023 ([link](#))
- KDDI: au launches "5G SA" service ([link](#))

- Analyst Paolo Pescatore: Time To Look Ahead with Real 5G And Prepare for The Big TV Switch Off! (link)
- Singtel 5G Enabling Industry 4.0 and Beyond infographic on Accessible intelligent medical care with 5G technology in the healthcare sector (link)
- 5G-HEART White Paper summarising main conclusions, lessons learned and recommendations from 5G Health, Aquaculture and Transport Validation Trials has been published (link)
- Viavi's Seventh Annual "The State of 5G" report has been published (link)

- MWL: China 5G footprint continues to dwarf global total (link)

◉ **2G/3G**

- Telia Denmark: Goodbye to 3G – hello to the future (link in Danish)

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

- TelecomTV: Open RAN MoU telcos update their tech priorities (link)
- RCR Wireless: Verizon sees major gains from virtualization, automation investments (link)
- MWL: Verizon gears-up for open RAN field trials (link)
- Fierce Wireless: NTIA accepts applications for $140.5 million in 5G open RAN grants (link)
- 5G Technology World: How does 5G's O-RAN E2 interface work? (link)
- TMN: NEC finds Open RAN a tough sell (link)
- TelecomTV: Vendors form Multi-G initiative to broaden Open RAN's appeal (link)

◉ **Spectrum**

- GSA: Spectrum Pricing March 2023 (link)
- UK Government publishes Spectrum Statement (link)

◉ **Private Networks**

- Top Trends for Private Networks in 2023. An overview of the challenges, market drivers, use-cases and trends for private networks (link)
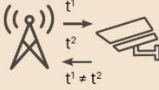
- Systems Approach - Private 5G: As Easy As Wi-Fi* ([link](#))

⊙ **Telecoms Infrastructure, Small Cells, Antennas & others**

- Telecoms Infrastructure Blog: Omdia's Global Telecoms Capex Trends – 2022 ([link](#))
- Dean Bubley talks mobile densification and small cells on LinkedIn ([link](#))
- ABI Research: 70% of Technical Contributions and 93% of Standards Essential Patent Declarations Focused on RAN Standards, Emphasizing the Need for Innovations in Other Network Areas to Enable Future 5G Commercial Use Cases ([link](#))

⊙ **IoT / M2M / Smart Homes**

- Whitepaper by Keysight Technologies: 'Boost IoT with 5G NR RedCap' ([link](#))

- Twitter Thread by Transforma Insights: "*Does China really dominate the world in cellular-based IoT? If figures are to be believed it accounts for more then three-quarters of all cellular-based IoT connections. We at Transforma Insights have been doing some digging. And here are the results. (A thread)*" (Twitter [thread](#))
- The Circuit Podcast: Ben Bajarin and Jay Goldberg discuss the world of sensors and the silicon that powers them ([link](#))

⊙ **Cloud & Edge**

- EnterpriseWeb - White Paper: Over-The-Top Orchestration With Telco Cloud ([link](#))
- RCR Wireless: Will Open RAN drive cloud-native or vice versa? ([link](#))
- RCR Wireless: T-Mobile US talks MEC strategy ([link](#))

⊙ **Security & Privacy**

- Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) ([link](#))

⊙ **Smartphones, Devices, Wearables & Gadgets**

- Financial Times: The men trading their Rolexes for plastic sports watches ([link](#))
- Nick vs Networking: How much computing power is in a SIM (And is it enough to get humans to the Moon?) ([link](#))
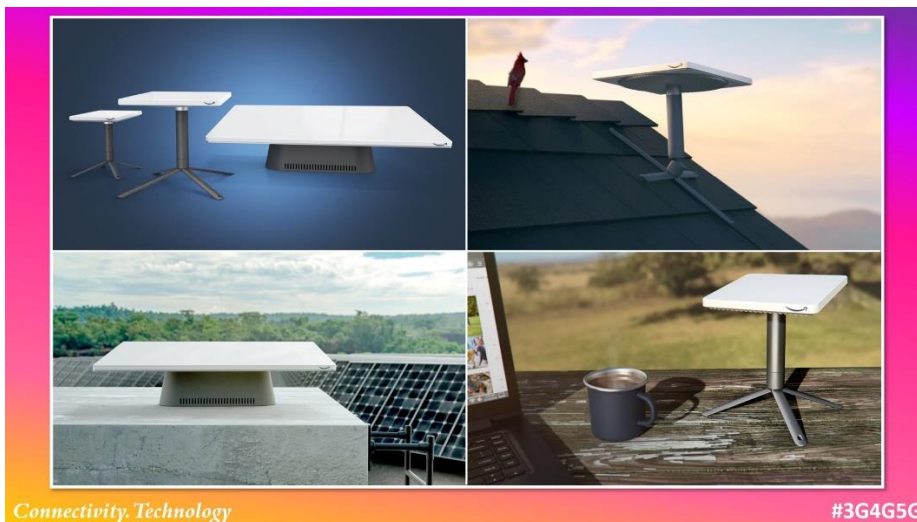
- 6G Mobile Wireless Communications - Vision, Roadmap, Technologies & Use Cases: 6G Devices ([link](#))

◉ AI, ML & Automation

- Meta AI - Introducing Segment Anything: Working toward the first foundation model for image segmentation ([link](#))
- Stanford's Annual AI Index Report ([link](#))
- AWS announces Amazon Bedrock and multiple generative AI services and capabilities ([link](#))
- From Benedict Evans [Newsletter](#): Not one but three interesting papers on AI for robots. As above - everyone is going to try to deploy this as fast as possible no matter what AI risk people say. [AMAZON](#), [GOOGLE 1](#), [GOOGLE 2](#).

◉ Satellites, HAPS, Drones, UAVs & Space

- Connectivity Technology Blog: Amazon's Project Kuiper Megaconstellation Aims to Deliver Fast, Affordable Broadband ([link](#))

◉ Metaverse & XR

- ITU: Metaverse focus group calls for contributions ([link](#))
- Fierce Wireless - Marek's Take: The wireless industry should rethink the metaverse ([link](#))
- NTT Technical Review: ITU-T Study Group 16 Meeting Report and Recent Development in Standardization of Immersive Live Experience Technologies ([link](#))
- TelecomTV: Orange metaverse chief shares vision for the immersive future ([link](#))

◉ Public Safety Networks

- EMTEL (emergency communications) - New ETSI Standard enables Next Generation Emergency Services Communications ([link](#))
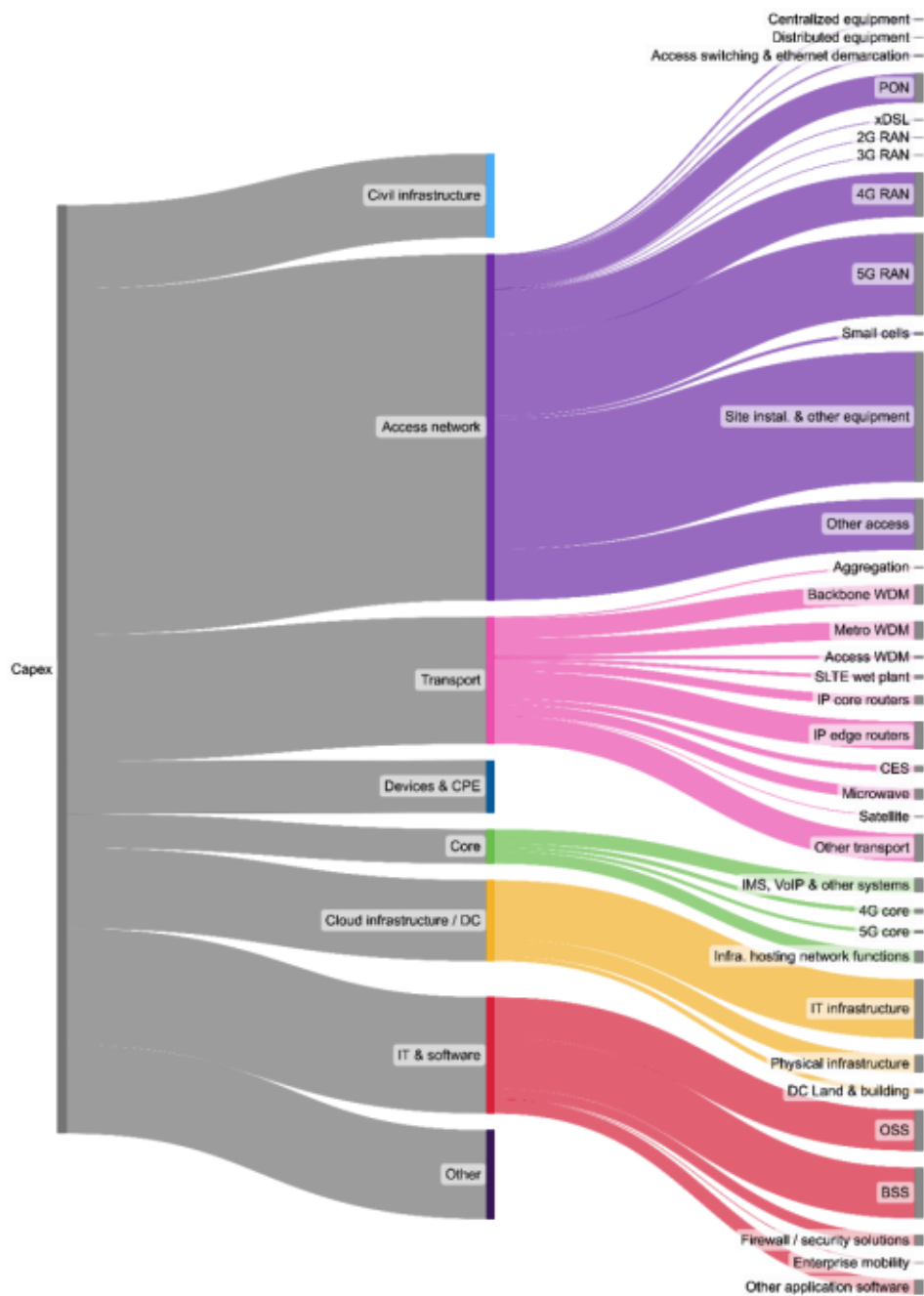
◉ Sustainability

- Apple will use 100 percent recycled cobalt in batteries by 2025 ([link](#))
- The Register: Energy efficiency starts to rock telcos' 5G infrastructure choices ([link](#))

◉ Other News and Technology Stuff

- CBC Canada: Copper thefts lead to repeated service outages for Bell customers in Oromocto, Lincoln (link)
- WSJ: Uniqlo's Parent Company Bets Big on Tiny RFID Chips (link)
- TelecomTV: Telia boasts massive reduction in carbon footprint (link)
- Light Reading: Netflix upgrades ad plan features, will wind down DVD biz this fall (link) – people still use DVD players, especially if they own loads of them 😊.

◉ **Picture of the week:** Global Telecoms Capex Flow, shared by Adam Mackenzie, Senior Analyst - Network Evolution at Omdia on LinkedIn post here.

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](#).