



## Mobile & Wireless Roundup #83 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 83rd edition of this newsletter. A friend/colleague got in touch with me some time ago regarding my newsletter. He had two main concerns for himself. The first was that he didn't understand many things that were being discussed and the second was that most weeks he isn't able to even read more than 50% because of all the other things going on in work and life.

My answer, which may be useful for others as well, is that you first skim through the newsletter to see what may be most relevant for you and then go through that first. It's not important that everyone reads everything in the list of all the articles.

As far as understanding was concerned, very few people have a broad range of knowledge and understanding to comprehend all the topics in detail so it doesn't matter if you don't understand a lot of things. I am happy to put up my hand and honestly admit that I don't necessarily read or understand everything I add here but I am sure others do and it may be useful for them.

While writing this I recalled a conversation with a fellow analyst at MWC 24 when he asked me how many talks I had attended. I am sure I mentioned this before but I don't go to MWC to attend talks. Most of them are recorded and can be viewed later on (it does take me months though) while some others, even though really useful are worth the sacrifice. Time is of essence at MWC, so I spend most of my time walking the show floor and meeting as many individuals/companies as possible.

Anyway, I digress. His main point was that if the industry was so full of all these thought leaders and forward thinkers why do we have all kinds of issues with 5G not making money or devices stagnation or no clear demand for 6G, etc. I am not sure I have a convincing answer for him but as he is a regular reader of this newsletter, please feel free to add an answer to his query 🤔.

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.

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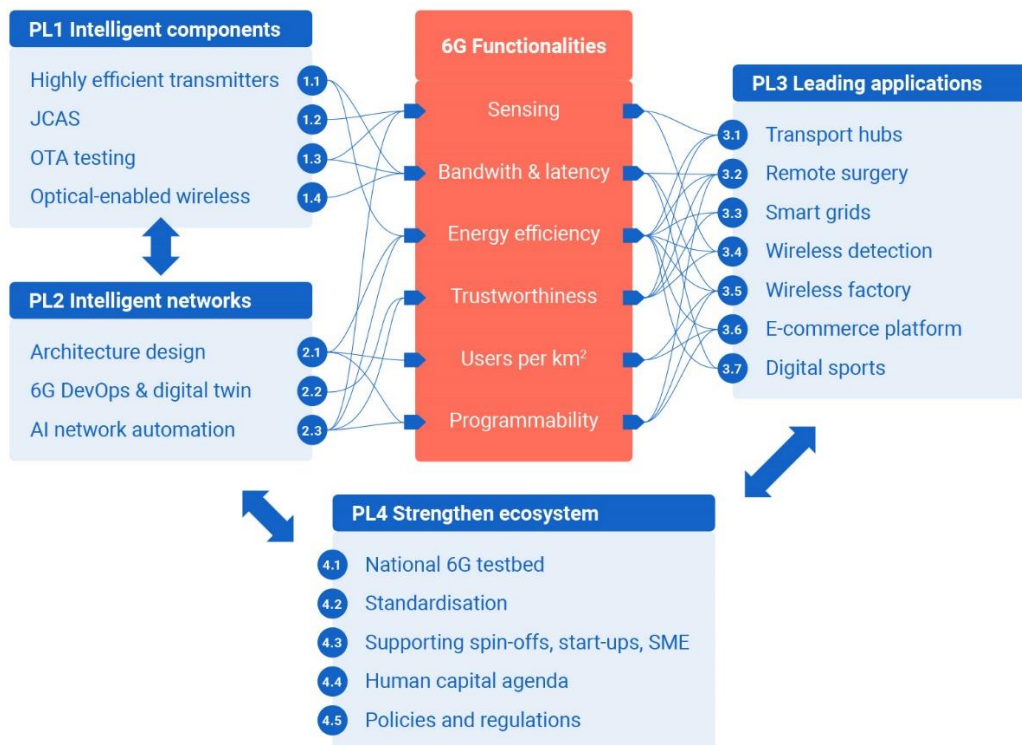
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### © MWC 2024 Summaries

- TBRI: The Telecom Industry Faces a Reckoning ([link](#))
- Shiv Putcha on LinkedIn: Mobile World Congress 2024 - Flying Taxes and other, more earthy Takeaways ([link](#))
- Frank Royal - MWC 2024: Navigating Opportunities and Challenges in the Telecom and Digital Infrastructure Landscape ([link](#))
- Digital Catapult: From AI to open networks as a driver for innovation – the hottest topics from MWC Barcelona 2024 ([link](#))
- Earl Lum on LinkedIn: Quick Summary of 2024 MWC Barcelona from EJM Wireless Research’s Perspective ([link](#))

### © 6G

- Free 6G Training - Future Network Services (FNS): 6G for and by the Netherlands ([link](#))



- Fierce Wireless: Samsung's colossal RAN road to 6G ([link](#))
- Communications Today: IAFI (ITU- APT Foundation of India) sets up Task Force on 6G to support ITU studies ([link](#))

## 🕒 5G

- Light Reading: 5G SA hits its stride in 2024 ([link](#)) – LinkedIn post and discussion by Analyst Gabriel Brown ([link](#))
- Alok Tripathi on LinkedIn: Heavy Reading "confident" of large-scale 5G SA deployments from 2025 onwards, but is still cautious on OpenRAN! ([link](#))
- Light Reading: Vietnam auctions 5G as phase-out of 2G services begins ([link](#))

## 🕒 4G/LTE

- Nick vs Networking: SMS over Diameter for Roaming SMS ([link](#))

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

- Recordings from O-RAN ALLIANCE Summit at MWC 2024 ([link](#))
- Jinsung (Alex) Choi on LinkedIn: DRLOps and Simulacra for O-RAN RIC Reinforcement Learning ([link](#))
- Light Reading: Samsung is open RAN's big winner so far as specialists miss out ([link](#))
- Jinsung (Alex) Choi on LinkedIn: O-RAN RPU/AAL vs. LF Open Programmable Infrastructure ([link](#))
- Jinsung (Alex) Choi on LinkedIn - From Data to Decisions: Leveraging Agentic RAG (Retrieval-Augmented-Generation) for Telco O-RAN Network Management ([link](#))

## 🕒 Spectrum

- Indian Department of Telecom (DoT) has announced auction of spectrum in 800 MHz, 900 MHz, 1800 MHz, 2100 MHz, 2300 MHz, 2500 MHz, 3300 MHz and 26 GHz bands ([link](#))
- Light Reading: India to hold spectrum auction in May - 10,523.15MHz of spectrum available to telcos for a base value of \$11.65 billion ([link](#))
- Jinsung (Alex) Choi on LinkedIn: EU AI Act Compliance Through Synthetic Data in Spectrum Sensing ([link](#))

## 🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Dell'Oro: Worldwide Telecom Equipment Market Slumps in 2023 ([link](#))

## 🕒 IoT / M2M / Smart Homes

- What does Industry 5.0 really mean? ([link](#))

## 🕒 Private Networks

- Private Networks Technology Blog: Huawei's Smart 5G Warehouse - Future of Logistics ([link](#))
- Mobile Private Networks Summary by GSA, February 2024 ([link](#))
- Light Reading: In private wireless 5G, reality is strangling hype ([link](#))
- MWL: KT, Novatek take robots to the shopfloor ([link](#))
- Jinsung (Alex) Choi on LinkedIn - Innovation at the Edge: Leveraging Private O-RAN for GenAI Robots in Smart Factories ([link](#))

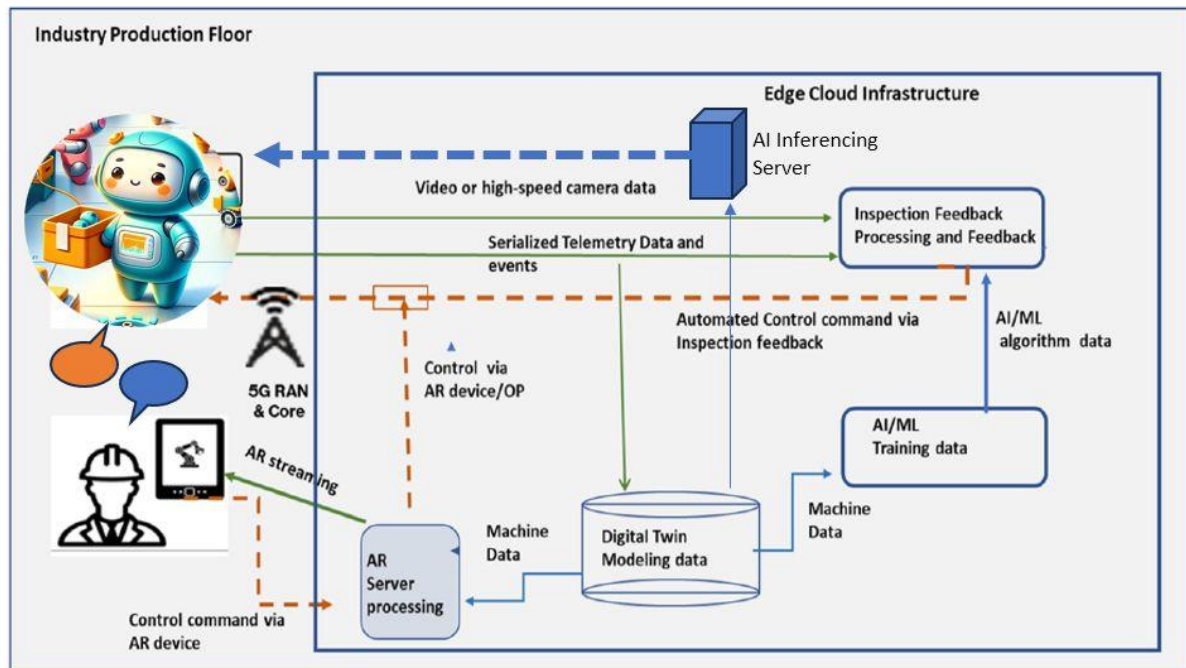


Figure: 5G System Factories of the Future (FF) Industry Production Floor with use of Digital Twins, Low-Latency AR overlays, AI/ML to Manage Factory Production (both Manual and Automated Operations) to enable offline adjustments for Optimization, Adaptation and Preventive Machine Operations

Note: This is a modified diagram based on the original 3GPP diagram, incorporating an AI inferring server for robots.

### Virtualization, Cloud & Edge

- Why distributed cloud networking is the future of enterprise networks ([link](#))
- TMN: Why the cloud native telco still needs work ([link](#))
- Dean Bubley on Twitter: "...Various people in Brussels live in a strange world where #edgecomputing is seen as far more important than it actually is. I mentioned #EdgeWash in one of my #MWC24 posts, and the European Commission (EC) the epicentre..." ([link](#))
- Paul Rhodes on LinkedIn - Thursday School : Open vRAN - Treasured or ? ([link](#))

### Security & Privacy

- Silke Holtmanns on LinkedIn: "good guide, which doc in GSMA security is dealing with which part of the security. I personally would FS.07 to the SS7..." ([link](#))
- Euronews: Data of half the population of France stolen in its largest ever cyberattack. This is what we know ([link](#))

### Smartphones, Devices, Wearables & Gadgets

- MWL: Africa smartphone shipments rise on low-end models ([link](#))
- Jinsung (Alex) Choi on LinkedIn - From Apps to Agents: The Revolutionary Transition to AI-Native Phone ([link](#))
- 9to5Google: Google to upgrade Watch Unlock with UWB ahead of Pixel Watch 3 ([link](#))
- The Register: AI and wearables are scaring the wellbeing out of workers ([link](#))
- SP's Aviation - Disruption in Defence: Military robots breaking new ground on the battlefield ([link](#))

## 🕒 AI, ML & Automation

- TMN: AI and the RAN ([link](#))
- Jinsung (Alex) Choi on LinkedIn - RPU: A Revolutionary Integration of AI and RAN for Future O-RAN ([link](#))
- TeckNexus - GenAI in Telecom: Reimagining Customer Service and Security ([link](#))
- Jinsung (Alex) Choi on LinkedIn: Automating GenOps with GenAI Software Engineers ([link](#))
- MWL: Italy to launch €1B AI investment fund ([link](#))
- Jinsung (Alex) Choi on LinkedIn - Harmonizing Horizons: The Convergence of O-RAN and 3GPP in AI/ML Standardization ([link](#))

## 🕒 Satellites, HAPS, Drones, UAVs & Space

- Dr. Kim (Kyllesbech Larsen) on LinkedIn: "*If all current commercial satellite plans were to be realized within the next decade, we would have more, possibly substantially more, than 65 thousand satellites circling Earth...*"
- Tim Belfall on LinkedIn: "*...US FCC has authorised #Starlink to use E-Band for supplementary ground station connectivity by Gen 2 Satellites. FCC released this on the 8th of March 2024...*" ([link](#))
- MWL: FCC issues satellite-to-mobile service framework ([link](#))

## 🕒 Wi-Fi

- Apple: iPhone Wi-Fi specification details ([link](#))

## 🕒 Sustainability

- Ruth Brown on LinkedIn - Energy KPIs: The path to enlightenment? ([link](#))

## 🕒 Other News and Technology Stuff

- Tefficient on Twitter: "*About 5% of the Nordic telco employees lost their job in 2023. At the same time, EBITDA margins were record high when revenue soared thanks to price increases*" ([Tweet](#) with quoted Tweet)
- Benoit Felten on LinkedIn: Why can't the European Commission see the success of its own telecom policies? ([link](#)) – some fantastic comments and discussions
- MWL: Verizon flags rising video app usage in 2023 ([link](#))

🕒 **Picture of the week:** Deutsche Telekom's Mini-Mast a.k.a. "Cell Tower To Go" captured at MWC 2024. You can read our blog post on this [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](#).