



Mobile & Wireless Roundup No. 113 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 113th edition of the Mobile & Wireless Roundup Newsletter. Greetings from Dublin, where I'll be attending the first two days of [Fyuz 2024](#). Although the conference hasn't officially begun, the organizers arranged an exclusive walk through the Dublin Docklands to showcase the open and innovative network infrastructure that exemplifies this week's theme. Look out for a snapshot of this infrastructure at the end of the newsletter.


Fyuz 2024 serves as a catalyst for accelerating industry knowledge, offering a platform for deep insights and discussions on industrializing open and disaggregated solutions worldwide. Key focus areas this year include driving Open RAN adoption, industrializing Open Transport, scaling OpenWiFi, applying Telco AI in practical deployments, and improving coverage, capacity, and economic efficiency to foster growth through innovation.

Despite recent reports highlighting challenges in the Open Networks Ecosystem, particularly around Open RAN's slower-than-anticipated growth, Fyuz emphasizes the promising advancements within this space. The ecosystem is evolving beyond mere network disaggregation; it's enabling an array of hardware and software solutions that drive automation, enhance intelligence, and improve network performance.

While the initial Capex savings may not be sufficient to win over operators just yet, the long-term reductions in Opex promise to shift perspectives. Additionally, the ecosystem has fostered new possibilities in adjacent areas, such as Neutral Host Networks and Private Networks, where integrators are stepping in as solution providers by leveraging Open Hardware and Software from Open Network vendors.

Although immediate widespread adoption may still be on the horizon, the momentum generated by the open networks movement will have a positive, lasting impact on network solutions.

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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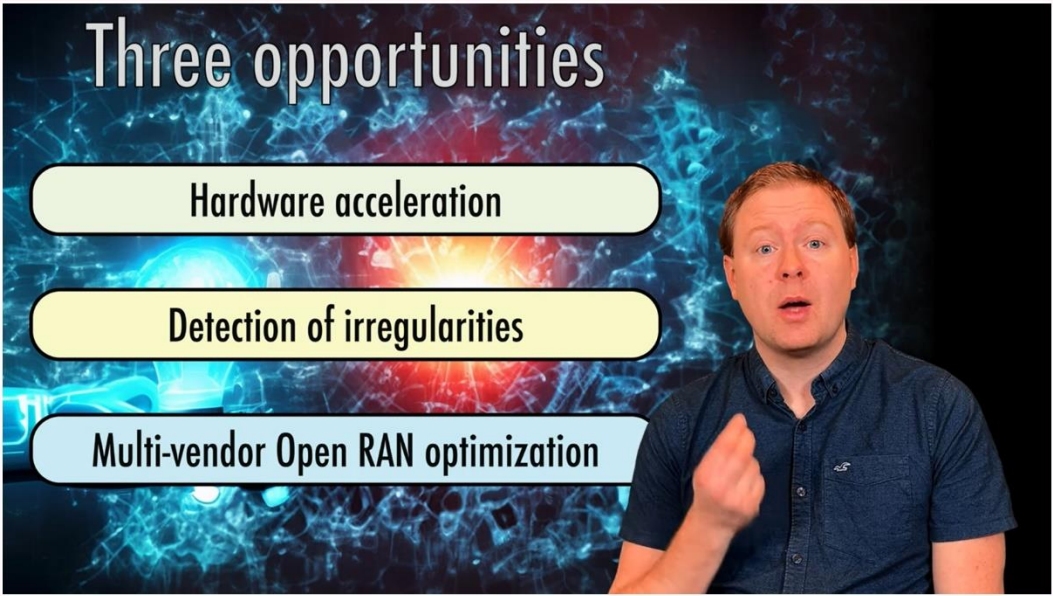
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- Michael Thelander on LinkedIn: "As the old saying goes, "You can lead a vertical to 6G, but you can't make it..." I recently attended the Brooklyn 6G Summit, cohosted by Nokia, NYU, and the IEEE. The event is held each year on the NYU campus in Brooklyn where it brings together wireless experts from across the globe and the wireless ecosystem..." ([link](#))
- Free 6G Training: Prof. Emil Björnson Explains The Role of AI in 6G Networks? ([link](#))



Three opportunities

- Hardware acceleration
- Detection of irregularities
- Multi-vendor Open RAN optimization

#Free6Gtraining 

5G

- Operator Watch Blog: Somaliland Aspires to Lead Africa in 5G Development ([link](#))
- T-Mobile Shatters World Record for 5G Uplink Speed ([PR](#))

2G/3G

- Rudolf van der Berg on LinkedIn: Want to travel and live? Want to live and travel? Learn from Australia! ([link](#)) – good discussions!

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

- Farhad Mehran on LinkedIn: "Our recently published paper presents the recent endeavours in SONIC Labs to integrate and assess the interoperability and functionality of multi-vendor Open RAN solutions on our commercially-neutral, multi-tenancy open network testbed..." ([link](#))
- Light Reading: Docomo pitched tech Deutsche Telekom could use to handle Huawei ([link](#))
- TMN: (Another) new dawn breaks to the east for Open RAN ([link](#))
- ODIN: Is VALOR enough to drive Open RAN adoption? ([link](#))
- Wireless Future: Open RAN: Success or Failure? ([link](#))

Private Networks

- RCR Wireless: 'No one rings up and asks for a private 5G network' – BT Business on 5G business ([link](#)) – Dan Warren's take on this [here](#).
- Private Networks Technology Blog - KPN Campus: Powering the Future of Digital Transformation with Reliable and Secure Infrastructure ([link](#))

Machine Translated by Google

The 4 elements of our modular campus solution

- 5G
- Edge computing
- Indoor localization
- LAN

Our 5G services consist of 3 forms:

- Public 5G**
 - % Indoor coverage for data and range via our reliable public 5G network
- Hybrid 5G**
 - % Own branch ("UPF") of our public network for indoor coverage and local data processing
 - % Seamless mobile 5G coverage indoors and outdoors
- Private 5G**
 - % Fully owned 5G network at your location
 - % Off the public network
 - % Data stays on your location
 - % Availability guarantees
 - % Allocable capacity to critical applications

#3G4G5G 9N #PrivateNetworks

- RCR Wireless: Private 5G in bloom – a dozen mega-sized Industry 4.0 deployments ([link](#))
- Firecell - Private 5G Networks: Everything you need to know ([link](#))
- Private Networks Technology Blog - Yancoal and TPG Telecom: Revolutionizing Mining Connectivity with a Mobile Private Network ([link](#))

🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Vodafone UK Takes COWs to the Fields ([link](#))
- Paul Rhodes on LinkedIn - Wednesday Wonderings: Molly Malone's Mobile Miracle ([link](#))
- Virgin Media O2 becomes the first UK operator to switch on 5G standalone small cells in a major connectivity boost for customers ([PR](#)) - Fergal Lawlor has shared a picture on LinkedIn [here](#).
- Paul Rhodes on LinkedIn - Monday Musings: Sheffield Steel ([link](#))

🕒 IoT / M2M / Smart Homes

- New whitepaper from GSMA, 'Mobile IoT in a 5G Future: NB-IoT and LTE-M in the context of 5G' ([link](#))

🕒 Virtualization, Cloud & Edge

- Jinsung Choi on LinkedIn: Unlocking the Potential of Edge AI in Telecom ([link](#))

🕒 Security & Privacy

- Silke Holtmanns on LinkedIn: "*Supply chain is a tricky thing and long. Nokia is currently investigating, if some of their source code has landed in the wrong hands via a breached downstream supplier...*" ([link](#))
- KrebsOnSecurity: Canadian Man Arrested in Snowflake Data Extortions ([link](#))
- Nick Jones on LinkedIn: "*Continuing on the recent #SS7 theme, let's take a look at SCCP and Global Title Translation, the workhorse of the routing used in Mobile Roaming...*" ([link](#))

🕒 AI, ML & Automation

- Jinsung Choi on LinkedIn: The Interplay Between AI and DATA in Telecom Networks ([link](#))
- Operator Watch Blog - Case Study: AIS Thailand's Transformation to 5G-Driven Autonomous Operations ([link](#))
- Jinsung Choi on LinkedIn: Enabling Software-Defined AI Workloads ([link](#))

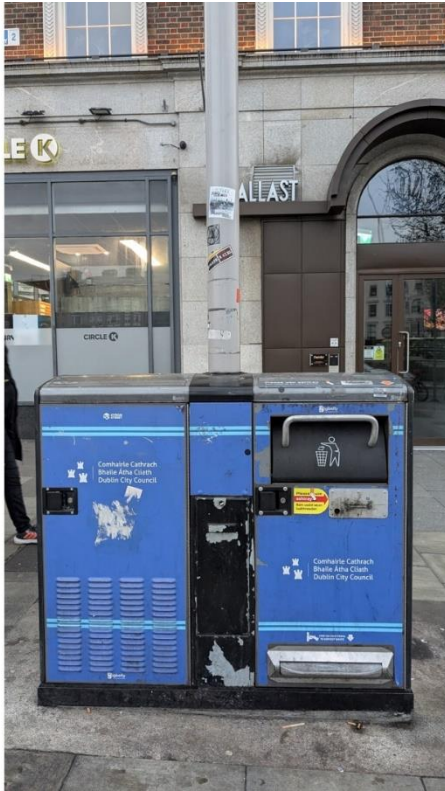
🕒 Satellites, HAPS, Drones, UAVs & Space

- Connectivity Technology Blog - Connecting the Uncharted: Space Norway's Arctic Satellite Mission Takes Off ([link](#))

🕒 Sustainability

- FutureNet World: Empowering Green Networks: 6WIND's Path to Sustainable and Cost-Effective Connectivity ([link](#))

🕒 **Picture of the week:** I wrote about Tellybelly over three years ago on the Telecoms Infrastructure Blog [here](#). It was nice to see it in real life today on the Dublin Docklands Infrastructure tour organised by Telecom Infrastructure Project and led by Analyst Luke Kehoe. You can read more about this deployment on Bigbelly's website [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](#).