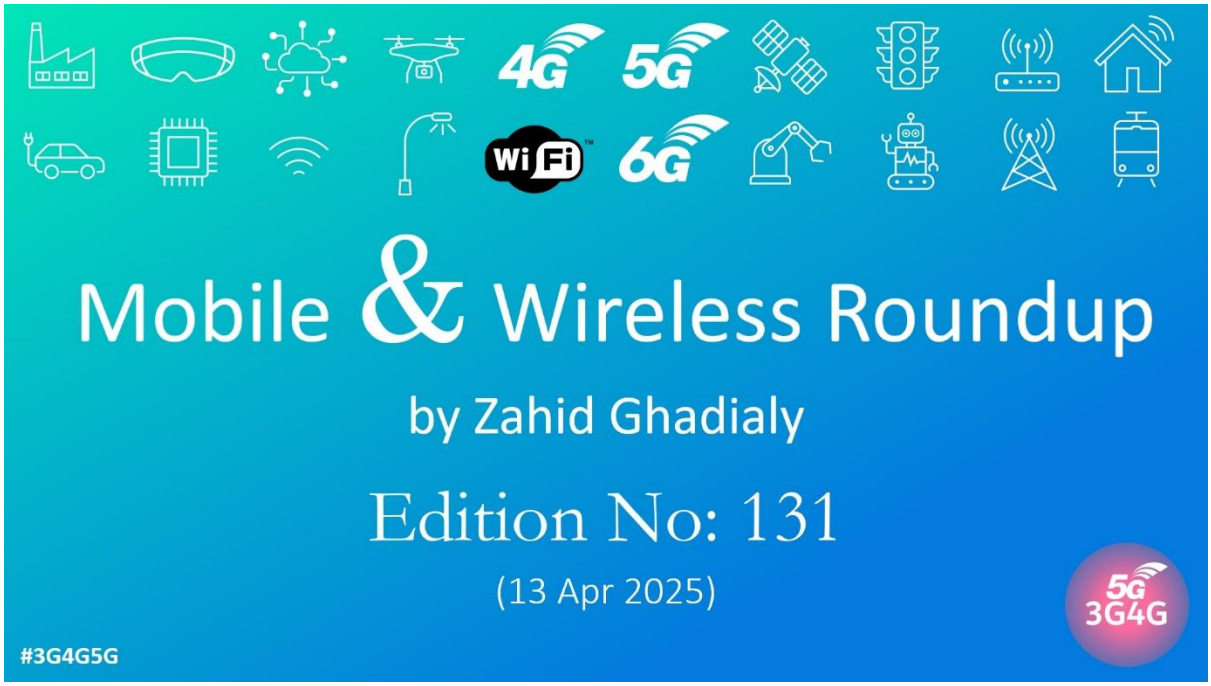



# Mobile & Wireless Roundup No. 131 (see original on LinkedIn!)

## By Zahid Ghadialy

Welcome to the 131st edition of this newsletter. I'm often amazed by the sheer amount of knowledge and tools we have at our fingertips—from educational YouTube channels to powerful GenAI tools like ChatGPT and Claude. A colleague of mine became impressively competent in AI simply by watching online videos, going from complete beginner to confident practitioner. It's a reminder of the era we're living in—where learning is more accessible than ever, and AI tools can act as helpful (if occasionally flawed) copilots.

With all this technology to solve problems, cure diseases, and boost productivity, you'd think the trajectory of progress would be unstoppable. But just like every good story has a twist or a villain, reality often throws up roadblocks. Whether it's the tragedies of war, economic instability, or human short-sightedness, the very species driving progress is also capable of derailing it.

So, what does any of this have to do with mobile and wireless? … well, everything.

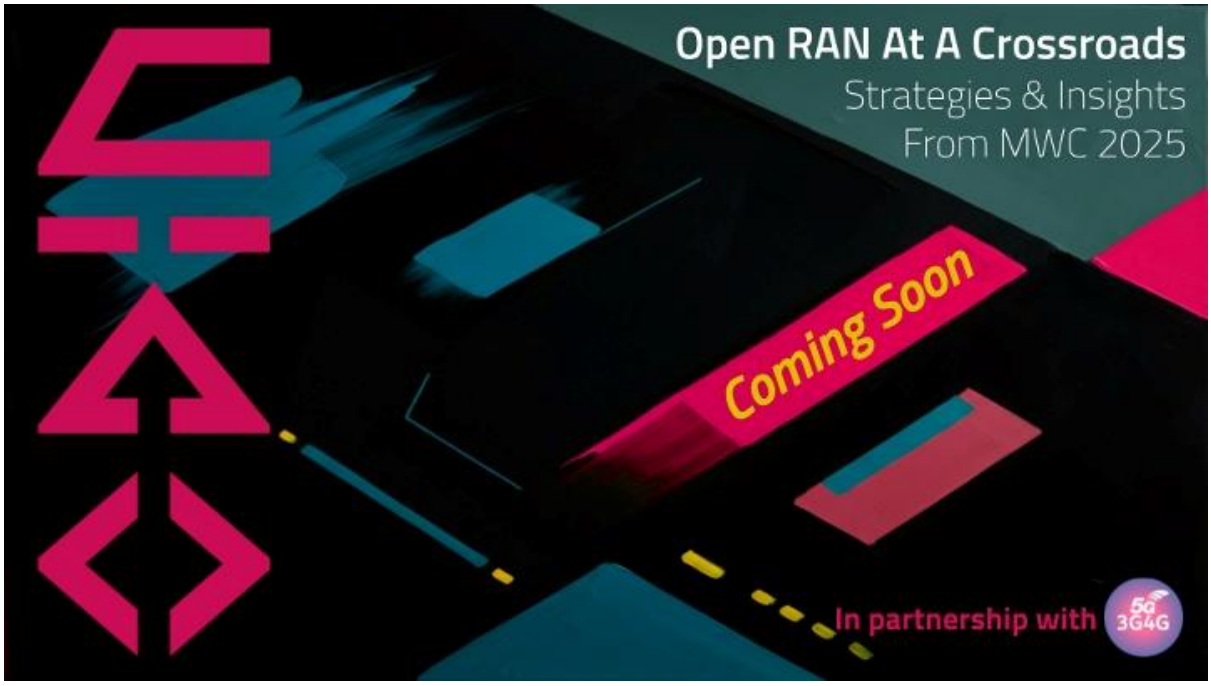
In today's interconnected world, no technology exists in a vacuum. Devices, infrastructure, and networks are built by people from all corners of the globe, relying on cooperation, trust, and shared standards. And when global tensions rise or supply chains break, even the seemingly simple act of making a smartphone or launching a satellite becomes complicated.

Take satellites—this season's hot topic once again. They orbit above all our borders, enabling observation and communication on a global scale. But even space, once seen as infinite and untouched, is now under threat. Without careful management, human ambition could fill it with debris, making it harder to use for generations to come.

I don't have the answers. Most of us don't. But I do believe in the power of small, positive steps. Sharing ideas. Learning from each other. Supporting innovation and progress in whatever ways we can. Maybe, just maybe, these little things will snowball into something meaningful.

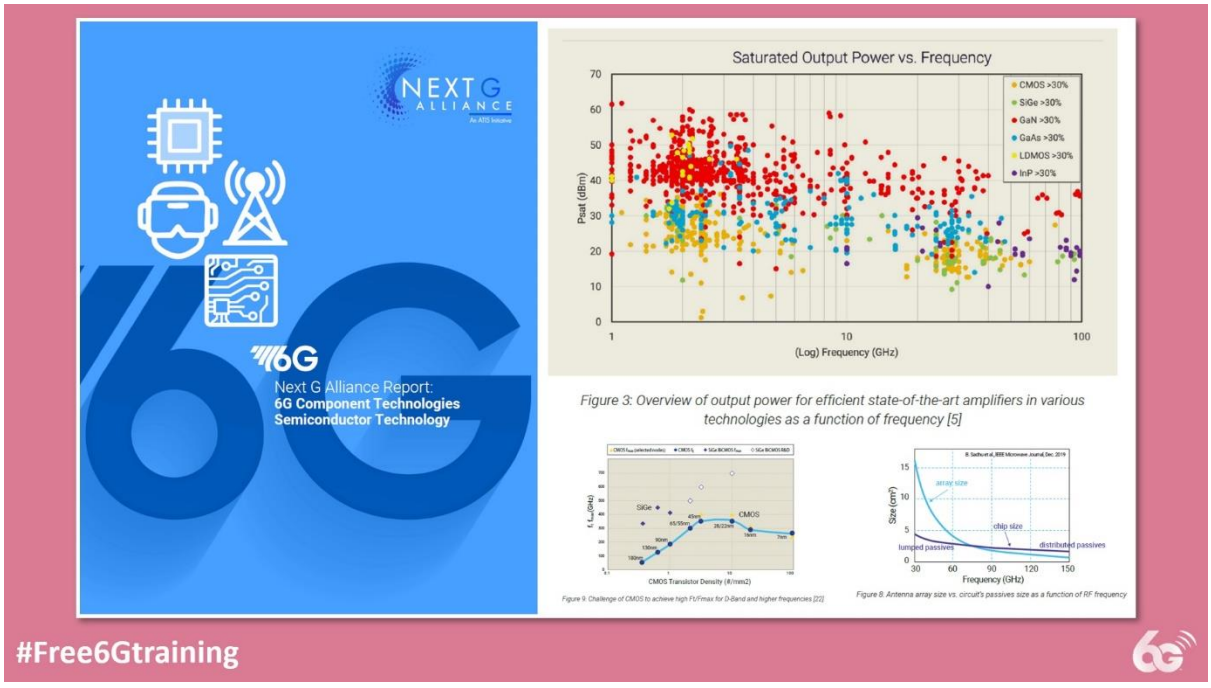
Only time will tell.

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.




### ◉ 6G

- Free 6G Training - Unlocking 6G with Semiconductor Innovation: A Technical Overview (link)




- Frank Rayal - Turning the Page on 5G: Service Providers' Vision for 6G (link)

- Free 6G Training — 6G Empowering Future Robotics: Building Intelligent, Connected, and Ethical Robotic Systems (link)

**◉ 5G**

- Operator Watch Blog: Rogers, Bell, Telus... and Freedom? Mapping the Future of Canadian Mobile (link)
- Fierce Network Op-Ed: Network slicing vs. private cellular? Which one is better? (link)
- A good slide from Ericsson's Make it memorable: Capitalize on elevated 5G customer experience (link)

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

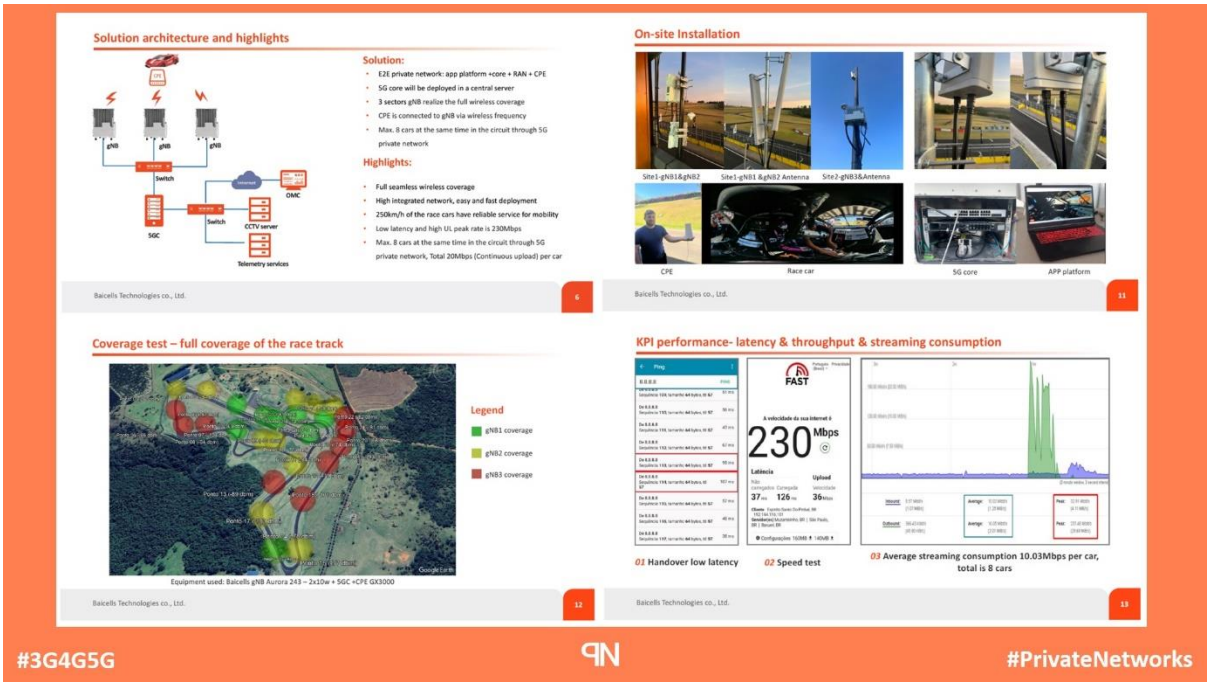
- Total Telecom: The power of rApps to transform telecoms (link)
- ODIN - From Lab to Field: How Viavi Solutions Powers Open RAN Innovation (link)

**◉ Spectrum**

- Mohamed Abbas on LinkedIn: "*In November 2024, #UAE announced It is one of the first countries in the world to allocate 600MHz and 6GHz bands to operators…*" (link)

**◉ Private Networks**

- Net One Systems and Tokyo Boeki Techno Systems have realized a digital twin using LiDAR and local 5G (PR in Japanese)
- Private Networks Technology Blog - Private 5G Powers the Fast Lane: Baicells Network at Brazilian Racing Circuit (link)

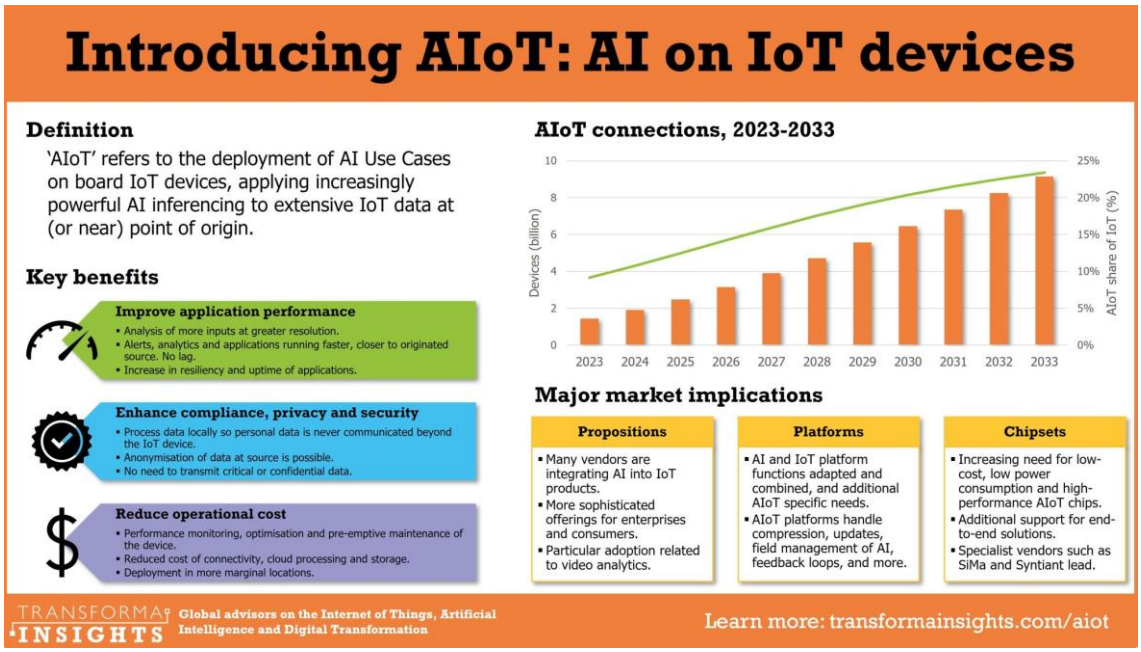



**◉ Telecoms Infrastructure, Small Cells, Antennas & others**

- Telecoms Infrastructure Blog - Mobile Internet Setup for Vanlife: Infrastructure Insights from The Road Two Spoons (link)
- Paul Rhodes on LinkedIn - Monday Musings: Having a Domestic! (link)

## ◉ IoT / M2M / Smart Homes

- Heart monitor becomes Vodafone's 200 millionth Internet of Things connection (PR)
- Transforma Insights on LinkedIn: "*Artificial Intelligence (AI) and the Internet of Things (IoT) are two of the most impactful and far-reaching technology developments of our time. Increasingly these two technologies are deployed together and the term 'AIoT' has come to the fore…*" (link)




- Vodafone uses its mobile network as extreme weather early warning system (link)

## ◉ Virtualization, Cloud & Edge

- ETSI White Paper No. 65 - NFV evolution: Towards the Telco Cloud (PDF)

## ◉ Security & Privacy

- Mohamed Abbas on LinkedIn: 4G Identity Security Vs. 5G Identity Security (link)
- Denis Laskov on LinkedIn: "*Serious security issues in the boot chain of Samsung phones (with MediaTek SoC). Sounds familiar? Yep, you've seen it in some cars…*" (link)
- Mohamed Abbas on LinkedIn: What is #5GHoul in 5G Security World? (link)

**◉ Smartphones, Devices, Wearables & Gadgets**

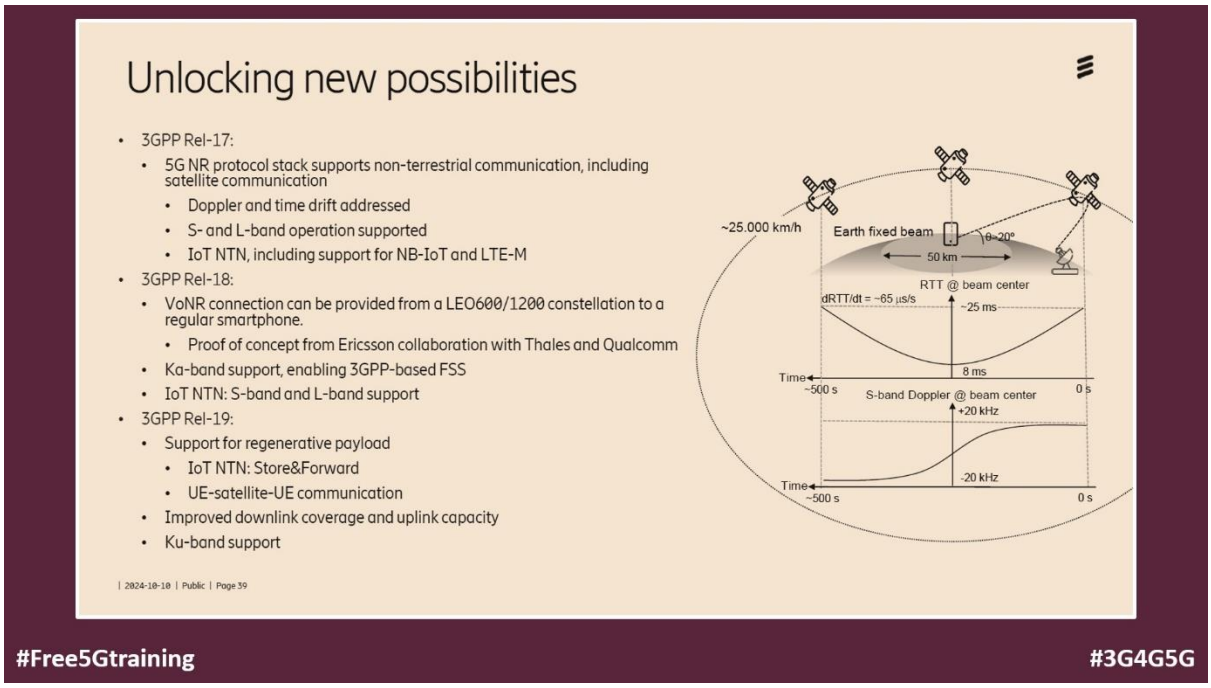
- MWL: Apple ships 1.5M iPhones from India to beat tariffs (link)

**◉ AI, ML & Automation**

- Jinsung Choi on LinkedIn: Cloud-Native AI-RAN (link)
- Telecom TV: How advanced is network automation? (link)
- Jinsung Choi on LinkedIn - Massive MIMO: A Flagship ML Use Case for AI-RAN (link)

**◉ Satellites, HAPS, Drones, UAVs & Space**

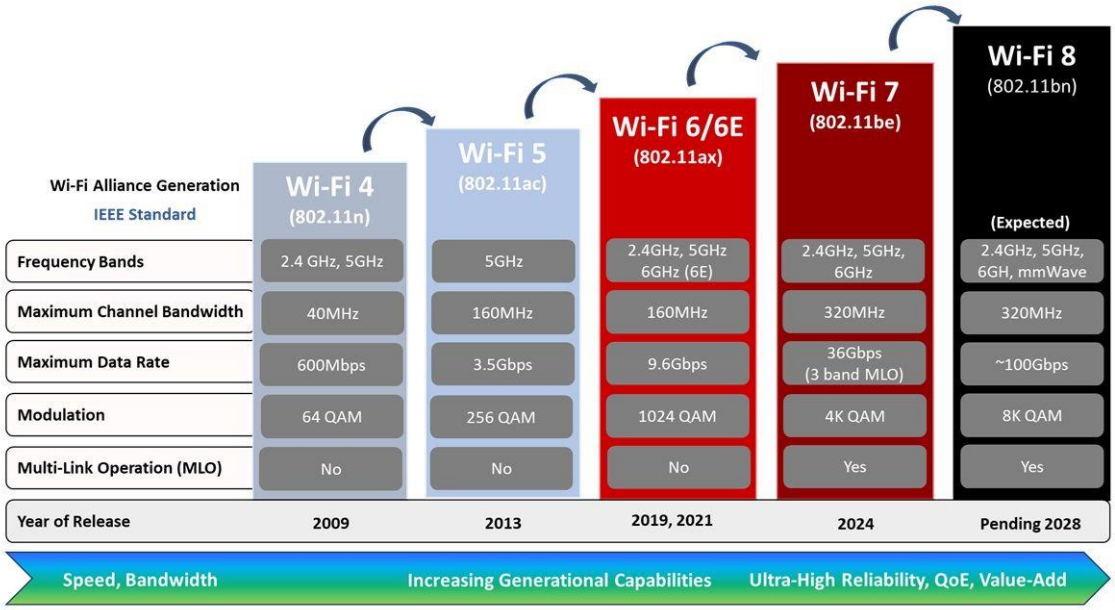
- Forbes: Starlink's Numbers Could Bring SpaceX's Valuation Crashing Down (link)
- Tutorial on Non-Terrestrial Networks (NTNs) and 3GPP Standards from 5G to 6G (link)




- KDDI: au Expands Coverage to Cover All of Japan with au Starlink Direct, a Direct to Cell Satellite Service (link)
- Light Reading: AT&T teases 'limited voice connectivity' from satellites in late 2026 (link)

**◉ Wi-Fi**

- Ruth Brown on LinkedIn: Wi-Fi generations and focus shift (link)




*Source: Heavy Reading*

### ◉ Sustainability

- 4E Energy Efficient End-use Equipment Study - Data Centre Energy Use: Critical Review of Models and Results (PDF)
- Rudolf van der Berg on LinkedIn: "*The new IEA report gives various scenarios ranging from 500TWh to almost 2000TWh for electricity demand in the coming decade. Read this report in combination with the deep dive into the energy consumption of data centres…*" (link)

### ◉ Other News and Technology Stuff

- New 3G4G video: The Internet Story - How Data Travels, Transit Works, and the Role of CDN & MEC (link)
- NTT Technical Review: Latest Trends in Network API Standardization: GSMA Open Gateway and CAMARA Project (link)
- SCMP: China unveils a powerful deep-sea cable cutter that could reset the world order (link)
- Digits to Dollars: Sparklink – The Biggest Wireless Standard You Have Never Heard About (link)
- GSMA: The State of the Industry Report on Mobile Money 2025 (link)
- UKTIN Market Research Insight Report – Semiconductors (link)
- Light Reading: Qualcomm exec convicted of inventing company to sell his tech to Qualcomm (link)
- The 3G4G Blog: Understanding ETSI's Industry Specification Groups (ISGs) and Why They Matter (link)

◉ **Picture of the week:** In the 1980s, photographer Ron Terner captured a woman using a pay phone on City Island in the Bronx. The image is a reminder of a time when pay phones were vital parts of everyday urban life before mobile phones became common. (LinkedIn, Facebook)


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.