Open forum Innovation Catalysts 🤳

InfraVerse: Breaking boundaries for XR sustainability

Leveraging advanced BIM to revolutionize telecom infrastructure design, deployment, and maintenance for seamless, intelligent, and efficient networks.



The solution:

InfraVerse applies AI, drones, and telecom-specific building information modelling to digitize and accelerate infrastructure deployment—cutting cost, delay, and rework. By replacing static plans with dynamic, datarich models, it gives CSPs a faster, smarter, and greener way to build the networks of tomorrow.





Addressing the challenge:

Al-driven, modular approach: Transforms telecom site planning and compliance through automation, digital twins, and remote collaboration, aligned with TM Forum standards.

Key components:

- **Digital Twin Generation:** Creates high-fidelity 3D site models using drones/scanners, enriched via TM Forum Open APIs.
- AI & GenAI Intelligence: Automates compliance checks, asset tracking, BOM, and documentation.
- XR Remote Collaboration: Enables real-time, remote site validation and design via Extended Reality.
- Data Fabric & Automation: Orchestrates workflows and automates field coordination, reporting, and document handling.

Champions:





Participants:

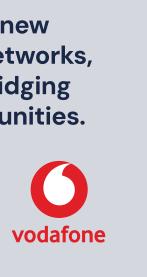
CELFOCUS CYIENT



As Vodafone's Digital Strategy Lead, I'm excited about InfraVerse's potential to transform how we plan and manage networks. By automating 35% of site operations and cutting deployment costs by up to 40%, we'll accelerate 5G rollouts and indoor coverage—while reducing our carbon footprint.

Beyond Vodafone, this approach sets a new industry benchmark for autonomous networks, driving sustainable connectivity and bridging the digital divide in underserved communities.

Mostafa Helmy Manager, Digital Strategy Network Development





Business impact:

InfraVerse enables autonomous networks by cutting emissions, reducing waste, and accelerating inclusive coverage with digital twins.









Find out more:



