



InfraVerse 2.0 & Beyond – Phase II

AI-driven network resilience
for a world of constant crisis

When disasters, extreme weather, or conflict destroy infrastructure, this Catalyst restores connectivity autonomously, combining Agentic AI, digital twins, and hybrid satellite-terrestrial networks to sense, reason, decide, and act when it matters most. Phase II reaches Autonomous Networks Level 4, restoring emergency services first and cutting recovery from hours to minutes, all on TM Forum Open APIs.

**Celfocus continues to drive
innovation across three core dimensions**

Predict & Assess

An AI-powered digital twin fusing network, spatial, weather, and satellite data to anticipate impact before it happens, predicting damage, coverage gaps, and estimating societal impact in minutes, not hours.

Autonomous Recovery

Multi-agent AI that recommends and executes the best recovery actions (traffic steering, NTN backhaul activation, Cells-on-Wheels, Drones Readiness), orchestrating hybrid terrestrial and satellite networks through closed-loop, self-healing operations under human-on-the-loop oversight.

Assure & Learn

Continuous validation that emergency services are restored first and coverage targets met (up to 30% faster deployment, 25% lower OPEX, 20% less CO₂) with real-time monitoring, recovery validation, and recursive learning.



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