

PTC



Distributed Architecture for Enhanced Cellular Connectivity

11:15-12:45 PM

Presented by

Naren Yanamadala

Founder & CEO of Blue Arcus

HONOLULU, HI



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We are Blue Arcus

A leading provider of carrier-grade 4G/5G mobile core network software

MNO Fixed Wireless Private 4G/5G Neutral Host

The most advanced 4G/5G core software solutions for:

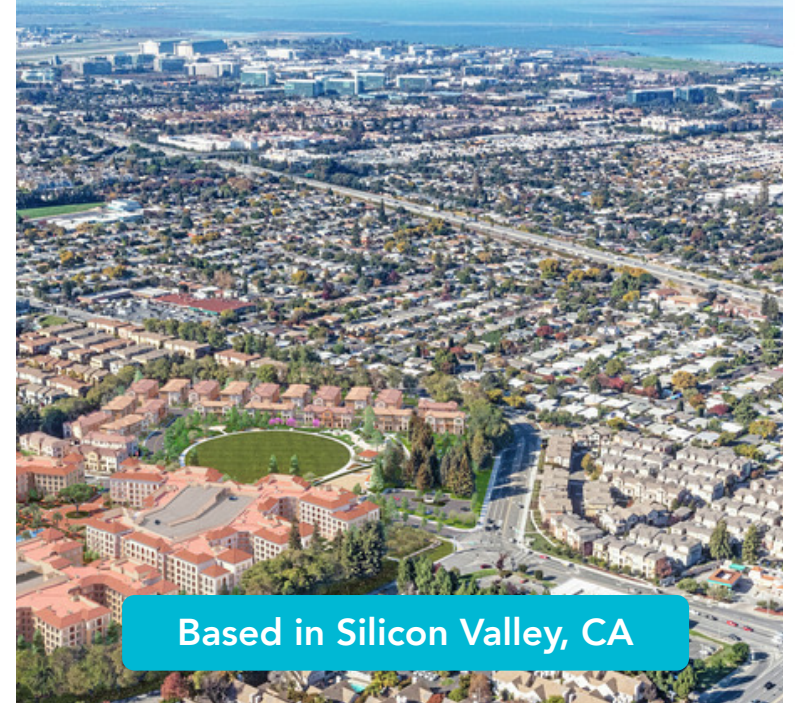
- Enterprises
- Managed Service Providers
- System Integrators
- Mobile Operators



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10+
Years in
Operation

500+
Production
Deployments



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Blue Arcus Unique Differentiators

Carrier-Grade deployment references

Multiple Deployment Models - SaaS, public cloud, private datacenter

Flexible Architectures – Modular, centralized and decentralized

Future-Proof - converged and upgradeable solutions

Open Architecture – APIs and third-party integrations available

Multi RAN Support – Pre-Integrated with 17+ RAN vendors (Including ORAN)

Flexible Pricing Models - subscription, perpetual + annual maintenance

24x7 Support from our global offices.

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Unique Challenges of Remote Islands vs Blue Arcus Solutions

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REMOTE ISLANDS

Geographic Isolation



Network Outages



High TCO

Limited Resources

BLUE ARCUS

Tailored Solutions for various connectivity challenges and requirements

Network Resilience by using our distributed architecture which ensures service continuity

Cost Management

- Hardware Agnostic Solution
- Flexible Pricing Models

Automation enables easy set up-manage-maintain.



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Transforming Connectivity in the Remote Islands

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Our Use Case for Tuvalu and Tokelau:

- **Blue Arcus** has designed and implemented a **distributed architecture** aimed at providing reliable and affordable high-speed data and voice services to all of Tuvalu and Tokelau atolls.
- Our innovative solution is specifically tailored for satellite-based networks, addressing the unique connectivity challenges.



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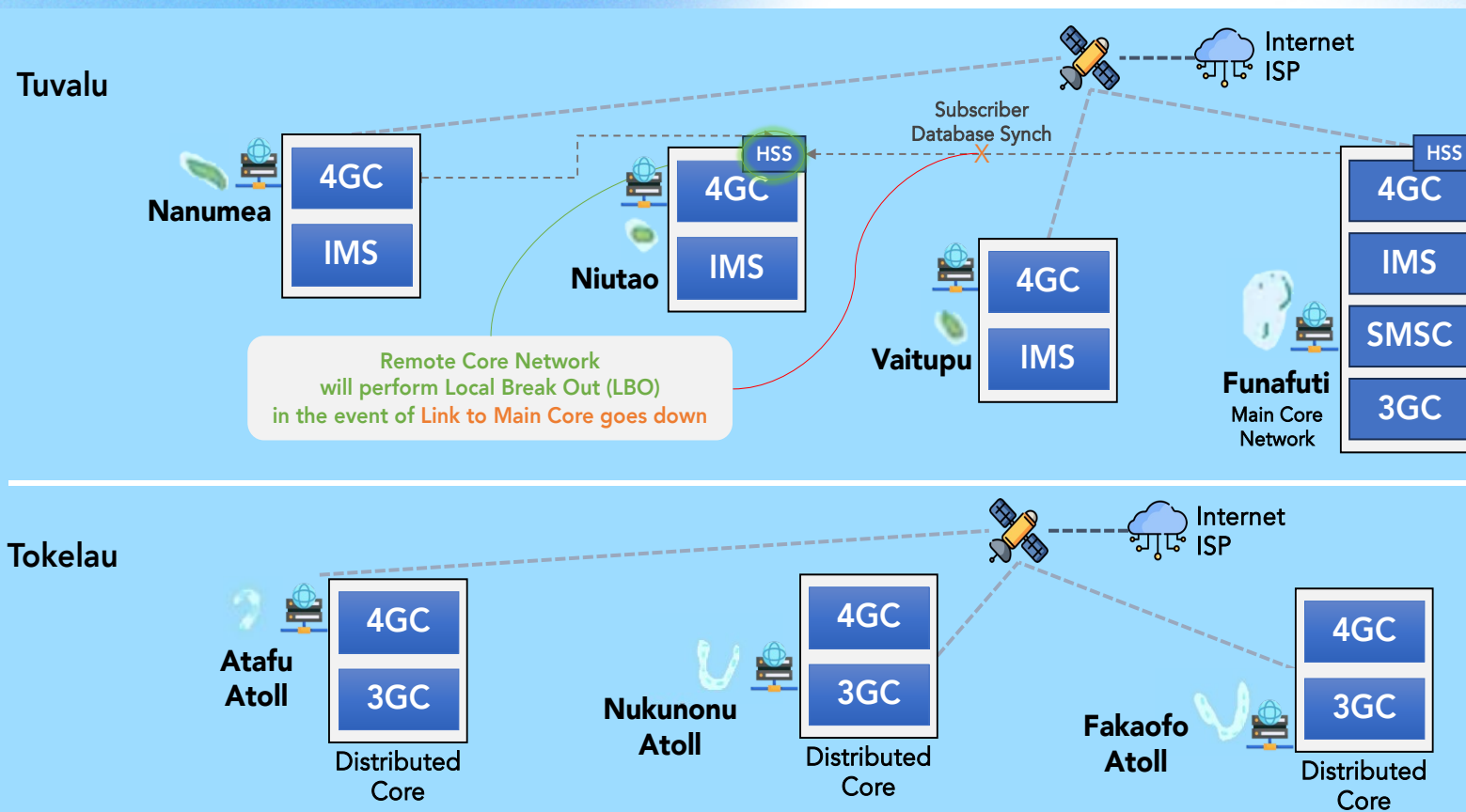


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Distributed Core Architecture for Tuvalu & Tokelau

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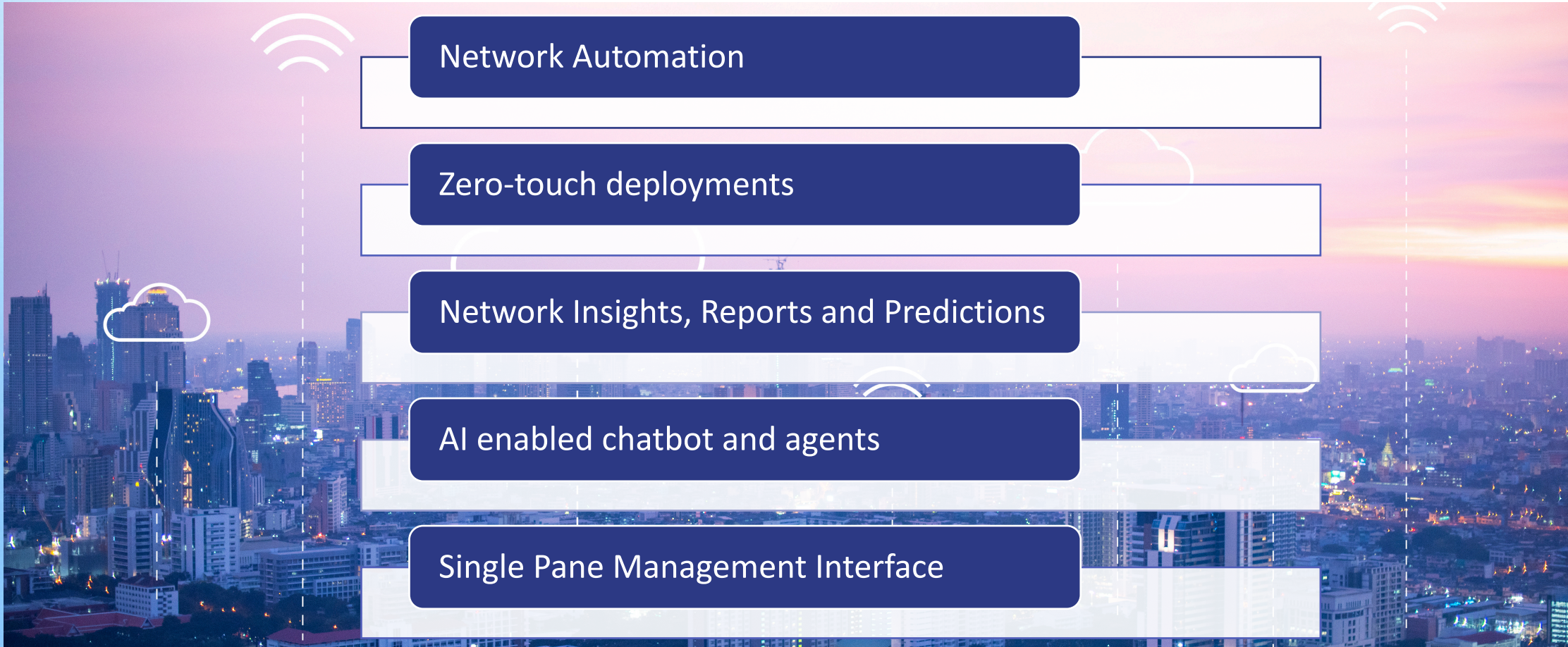
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Unique Benefits

- Local Data Breakout to address latency
- Mesh Architecture for Seamless Roaming between islands
- Service continuity despite of the link outages

Future Landscape



Network Automation

Zero-touch deployments

Network Insights, Reports and Predictions

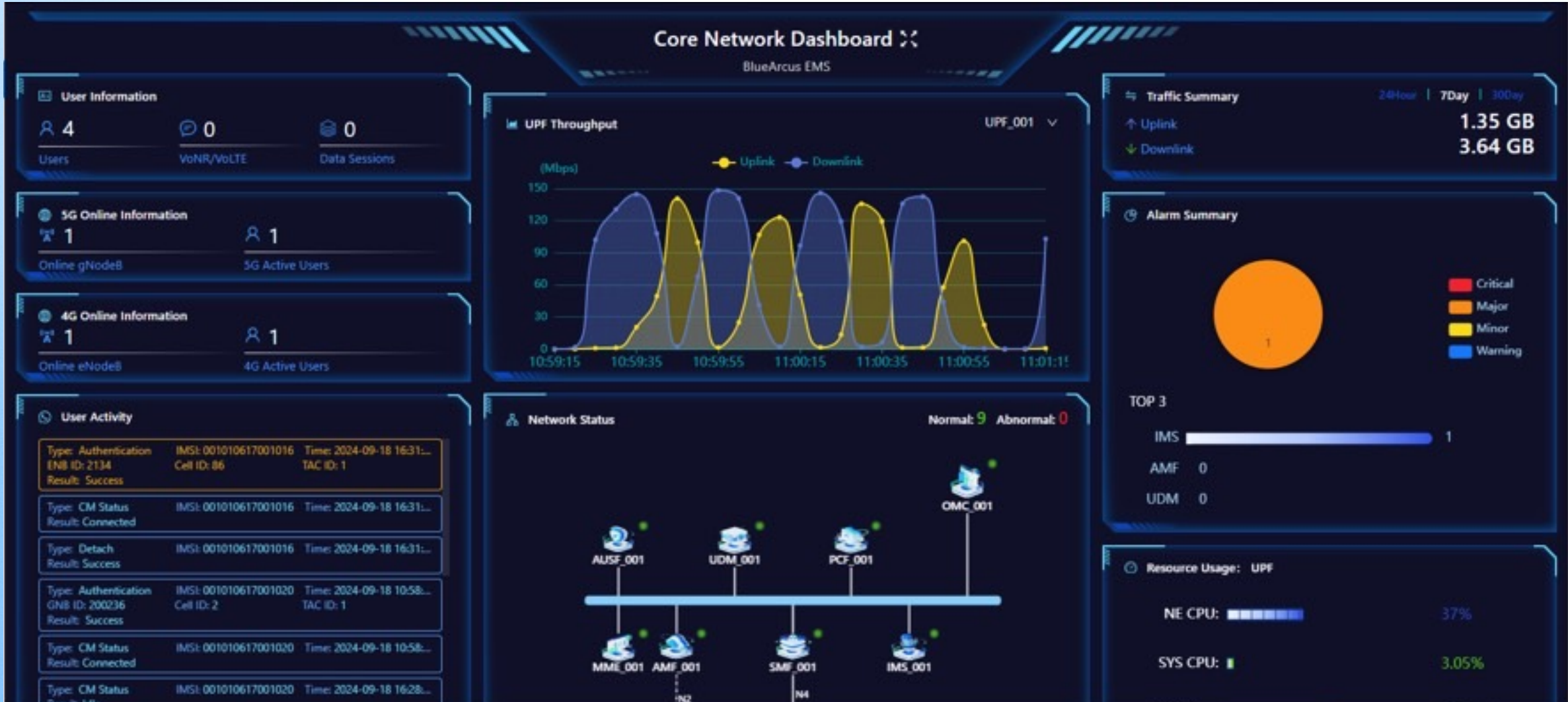
AI enabled chatbot and agents

Single Pane Management Interface



Blue Arcus EMS Management Pane

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Open Forum

Question and Answer
Session



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Thank you!



BLUEARCUS

USA | India | Indonesia | Philippines | Australia

Blue Arcus has been delivering reliable & cost-effective end-to-end mobile Networks for telecommunication companies across the globe.

www.bluearcus.com

marketing@bluearcus.com



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