

PILLAR P3

Weeks 1-10 - first edge POP live by week 4

EX - Networking & Connectivity

Programmable Edge Fabric

SASE - Private 5G - Edge AI - Intent-Based

SASE, private 5G and intent-based mesh - bandwidth that auto-tunes.

EDGE INFERENCE P95

9 ms

WAN COST

41%

SITE BRING-UP TIME

9 days 4 hours

MANIFESTO

Why this pillar exists

Procurement-cycle bandwidth is dead. We program the edge - SASE for every identity, private 5G where latency matters, intent-based mesh that auto-tunes to the workload, and edge inference where the data is born.

KPIS

Outcomes we contract to

- Edge inference p95: 9 ms
- WAN cost: 41%
- Site bring-up time: 9 days 4 hours

DELIVERABLES

Everything that ships

> SASE rollout

ZTNA, SWG, CASB, FWaaS unified under one identity policy fabric.

> Intent-based mesh

Declarative SD-WAN that auto-tunes paths to SLOs, not to ports.

> Private 5G site kit

Spectrum, RAN, core and SIM lifecycle in a 4-hour drop-in deployment.

> Edge inference plane

GPU/NPU PoPs with model gateway, signed model deploy, observability.

> Network-as-code repo

Terraform + NetBox source of truth, CI tests, change diffs in PRs.

POD COMPOSITION

Who shows up

- Network Principal (CCIE / JNCIE)
- SASE / Zero-Trust Architect
- Private 5G + RAN Engineer
- Edge AI Engineer

TIMELINE

Weeks 1-10 - first edge POP live by week 4

- 1 Weeks 1-3 - Discovery + topology audit**
Map sites, identities, OT vs IT, latency budgets, contract exit dates.
- 2 Weeks 3-6 - SASE + intent-based rollout**
Identity-pinned policy, ZTNA, SD-WAN auto-tune live across pilot sites.
- 3 Weeks 6-10 - Edge AI + private 5G**
GPU PoPs and 5G drop-ins where latency or sovereignty demands it.

FLAGSHIP PODS

Squads we drop in

- SASE Rollout Pod
- Private 5G Site Pod
- Edge Inference Pod
- Network-as-Code Pod

PARTNERS

Hyperscalers & ISVs we orchestrate

Cloudflare - Cisco / Meraki - Juniper Mist - Palo Alto Prisma - Zscaler - Equinix - BT - Lumen

FAQS

What buyers actually ask

Q. Do you carry the circuits?

A. We orchestrate carriers (BT, Lumen, Colt, Equinix, Cloudflare) - agnostic by design, with FX-aware contracts.

Q. Why private 5G over Wi-Fi 6E?

A. Industrial / OT, large outdoor sites, and deterministic latency. We will recommend Wi-Fi 6E where it actually fits.

Q. Edge inference vs cloud?

A. Edge wins on latency, sovereignty and cost-per-token at scale. The model gateway routes per request based on policy.

Q. How do you avoid vendor lock-in?

A. Network-as-code in your repo. Every device, model and policy is portable and reproducible by `terraform apply`.

Commission Programmable Edge Fabric

Outcome-priced. Sovereign by default. Refund-backed if the contracted KPI isn't hit.

Reply to this PDF: alfaxprienz.com/stack/programmable-edge-fabric#commission