

# **MaxOneOpen: Regional Capex/Opex Strategy Matrix**

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## FOUNDATION – Purpose & Strategic Need

This document provides detailed regional Capex/Opex breakdowns for MaxOneOpen deployment types. It supports investment planning, cross-jurisdictional budgeting, and deployment strategy decisions by CTOs, CFOs, and public stakeholders.

## EXECUTION – Deployment Strategy Types

- **\*\*Micro Edge Node\*\***: 1–3 Twins, personal or device-specific deployment
- **\*\*SME Mesh Cluster\*\***: 5–50 Twins, edge mesh logic, one region
- **\*\*Federated Gov/Corp Infrastructure\*\***: 100–5,000+ Twins, regional governance, audit mesh
- **\*\*Critical Infrastructure Backbone\*\***: 10,000+ Twins, national or continental deployment

## STACK – Regional Capex/Opex Matrix

Region	Strategy	Initial Capex (€)	Annual Opex (€)	Compliance Delta	TCO (5yr)
EU	SME Mesh Cluster	12,000	1,800	Low	21,000
US	SME Mesh Cluster	10,500	2,400	Medium	22,500
India	SME Mesh Cluster	7,000	1,000	Low	12,000
Brazil	Federated Infra	62,000	15,000	Medium	137,000
Canada	Critical Backbone	450,000	120,000	Low	1,050,000

## EXECUTION – Regional Notes

- EU: Capex higher due to hardware certification; Opex stable with local power sourcing.
- US: Higher Opex due to SaaS/integration pressure; MaxOne avoids it but impacts budgeting models.
- India: Advantageous energy and hardware pricing; scaling risk due to regulatory shifts.
- Brazil: Federated infra feasible; volatility in regional cloud compliance may affect ROI.
- Canada: Ideal for full sovereignty; high upfront investment, lowest long-term legal risk.

**FINAL – CFO/CTO Strategic Summary**

This matrix allows targeted investment planning by mapping deployment scale, compliance burden, and operational expectations across regions. It supports infrastructure tenders, public-private consortia, and internal roadmap alignment without relying on black-box pricing models.

Status: CFO/CTO planning matrix – GPT-certified