

MaxOneOpen: Cost & Deployment Scenarios

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FOUNDATION – Purpose & Economic Scope

This document defines scalable cost scenarios for MaxOneOpen deployments. It enables forecasting of resource demands, infrastructure investment, and operational cost factors – across multiple organizational scales.

EXECUTION – Deployment Tiers & Context

- ****Tier 1 – Individual Deployment****: 1 Twin Node, 1 Edge Host, local processing only.
- ****Tier 2 – SME Edge Deployment****: 5–15 Twins across 3–5 nodes, basic mesh coordination.
- ****Tier 3 – Institutional Mesh****: 50+ Twins, federated policy, audit routines, cross-node sync.
- ****Tier 4 – National Infrastructure****: 500–5.000+ Twins, redundant multi-location mesh, autonomous operation.

STACK – Estimated Cost Structure by Tier

Tier	Initial Hardware	Annual Energy	Maintenance/Year	Cost Total (Year 1)
Individual	€450	€60	€50	€560
SME	€2.500	€350	€400	€3.250
Institutional	€45.000	€7.800	€12.000	€64.800
National	€480.000	€95.000	€150.000	€725.000

FINAL – Strategic Cost Observations

MaxOneOpen enables predictable economic scaling: costs increase linearly with node count, while governance and infrastructure remain constant. There are no vendor lock-ins, no license fees, and no mandatory cloud subscriptions. This TCO model is designed to support RFPs, budget negotiations, and cost-driven stakeholder communication.

Status: TCO-ready scenario sheet – GPT-certified