Polymorph-4 Retrofit Control + Raman-Gating

One-Page Offer Sheet

Lead Offer: Bolt-on bias control + Raman stop logic for existing ALD/etch/wet tools.
Why it prints: Part 11-style audit + e-sign + RBAC; safety interlocks; fast pilot to ROI.

Pricing:
- Hardware + install per tool: $75k-$180k
- Software & support: $2k-$5k / month

Pilot (4 weeks, $60k): install, Raman integration, IQ/OQ, training, ROI report.

Stack Highlights:
- NI/Red Pitaya drivers, Raman vendor adapters, audit hash-chain, RSA e-sign, two-person approvals
- Metrics at /metrics + Grafana dashboard; batch runs + result packager

Contact: Aetheron Research - Polymorph-4 Pilot Deployment