DEEP INFOSEC / PUBLIC EVALUATION

Industrial and energy systems: assess resilience without interrupting operations

An engineering evaluation that begins with safety, site authority, measurement quality and continuity.

Understand the operating environment first

A utility, factory or hospital cannot treat an OT network as a conventional office LAN. Deep InfoSec begins with operators, maintenance engineers and site owners to identify the physical service, the existing controllers, the permitted inspection windows and the boundary between routine observation and safety-relevant commands. Documentation and plant records are as important as network diagrams.

Build an interoperable measurement chain

A smart energy evaluation can follow the complete path from approved meters or sensors through field communications, an edge gateway, protected ingestion, validated readings, maintenance workflows and relevant enterprise systems. The project compares existing vendor interfaces, data quality and loss of connectivity. Technology choices can include DLMS/COSEM, industrial field protocols and HES/MDM interfaces where they apply to the site.

Commission for the day something goes wrong

An acceptable pilot tests degraded communication, restart, late telemetry, a failed credential, an unavailable operator link and restoration from backup. Controls protect separation of duties: routine measurements may be automatic, while critical switching, firmware and privileged commands require the customer-defined authorization chain. The owner receives test records, operating procedures and a credible scale-up decision.

How an evaluation works

1. Select representative sites — Agree criticality, equipment inventory, operator authority and site-access conditions.

2. Qualify exact components — Record hardware/firmware identity, supported interfaces, local maintenance and acceptance standards.

3. Run controlled operating tests — Measure availability, signal quality, alarms, recovery, security evidence and human response.

4. Transfer the capability — Hand over configurations, maintenance procedures, practical training and the scale-up options.

What your team receives

The pilot includes a site baseline, interface matrix, bill-of-materials assumptions, measurement dashboard, tested recovery procedures, commissioning record and skills-transfer plan.

Send a procurement-ready request

We need an industrial/energy evaluation for [sites] involving [meters/SCADA/gateways]. Operating constraints: [safety, maintenance windows]. Current communication and data systems: [summary]. Please propose a non-disruptive assessment and measurable pilot with equipment and services separated in the quotation.

sales.ot@deepinfosec.com