

Data-centre power & reporting readiness checklist

Use this checklist before committing to a site, connection strategy or reporting workstream. Record what is documented, what remains an assumption and who will close each gap.

For each item, mark **documented** / **needs review** / **missing**. Keep the source, date, responsible person and next action. A public grid dataset can support screening; it cannot establish your connection rights.

01 Define the decision

- ☐ What decision must be made, by when, and by whom? Compare sites, connection options or upgrades against the same commissioning target.
- ☐ Record the facility boundary: installed IT power, total facility load, grid import/export capacity and planned expansion. These are different quantities.

02 Establish the route to power

- ☐ Obtain the connection offer or documented status: capacity, expected date, validity, milestones, costs, dependencies and required works.
- ☐ Compare firm and flexible options. Identify curtailment limits, notice periods, controllable loads, non-delivery consequences and any contractual compensation.
- ☐ Test time-to-revenue against the downside of restricted operation. Keep an offered date separate from a verified, deliverable schedule.

03 Test the energy configuration

- ☐ Compare BESS, generation and operational flexibility using a consistent baseline: capex, energy costs, operating costs, replacement needs and timing.
- ☐ Model constraints before stacking revenues: power and energy limits, losses, degradation, reserves and availability obligations.
- ☐ Quantify only supportable cash flows. Keep grid benefits and resilience outcomes visible without counting them as revenue unless a mechanism pays for them.

Evidence that supports the decision.

04 Prepare facility evidence

- ☐ Map electricity, cooling, water, heat reuse and generation data to meters, owners and reporting periods. Record estimates and gaps.
- ☐ For PUE (Power Usage Effectiveness) and WUE (Water Usage Effectiveness), confirm definitions, units, facility boundaries and time coverage before comparison. Record the treatment of shared infrastructure.
- ☐ Separate current reporting requirements from future label readiness. Confirm applicable rules, thresholds and submission responsibilities for the facility and jurisdiction.

05 Review resilience and external dependencies

- ☐ Map grid dependencies, physical and climate exposures, backup autonomy, redundancy and recovery assumptions. Include water and telecom dependencies.
- ☐ Check whether dispatch flexibility can coexist with critical-load protection. Identify engineering validation, operational tests and partner expertise required.

06 Agree the next step

- ☐ Create a short gap register: evidence missing, materiality to the decision, responsible person, cost and deadline to resolve.
- ☐ Define the software pilot: alternatives, data access, interfaces, outputs, acceptance criteria and review checkpoints. Assign engineering validation separately.

What the software adds: Project-data inputs, configurable scenarios and exportable evidence records. The pilot covers software access, interfaces and user acceptance. Engineering validation and investment decisions remain with the client and its advisers.

This checklist prepares a commercial and technical discussion. It does not issue an official label, establish eligibility, or guarantee grid access, permits or financing.

Explore a software pilot | office@xintegra.at