SECOND DESK

INTERNATIONAL ADVISORY

Industrial infrastructure packages

Technical equipment interfaces for industrial facility projects

ENERGY & INFRASTRUCTURE



AI-generated illustration | not an actual project reference

Product scope and commercial role

TECHNICAL SCOPE

- Plant water and service utilities
- Packaged equipment
- Distribution and environmental systems

SECOND DESK ROLE

Technical-commercial qualification, market development and manufacturer or partner coordination.



Source: Second Desk website | sector image, not project evidence

Design basis and operating envelope

INPUTS REQUIRED BEFORE A COMPARABLE QUOTATION

- Owner scope
- Load and utility schedule
- Site layout
- Local requirements
- Procurement route

The owner and qualified manufacturer confirm operating conditions and applicable design basis before engineering release.

Engineering and component selection

DESIGN REVIEW POINTS

- Battery limits
- Civil/electrical/mechanical coordination
- Constructability
- Maintenance and redundancy

Selection trade-off

Separate scope by mechanical, civil and electrical boundaries. Confirm site levels, supports and utility loads.

Project drawings, tolerances and design details remain subject to the responsible supplier or engineer.

Representative technical section



AI-generated technical concept | not to scale or for fabrication

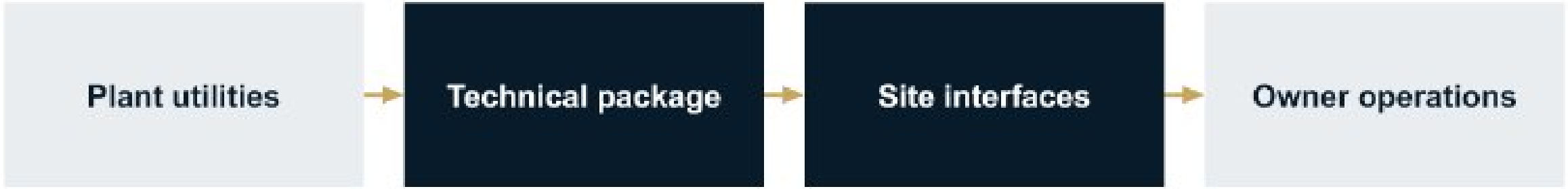
DETAILS TO CONFIRM WITH QUALIFIED SUPPLIER

- Battery limits
- Civil/electrical/mechanical coordination
- Constructability
- Maintenance and redundancy

Confirm the actual construction and dimensions from controlled supplier drawings or approved samples.

Representative functional arrangement

Conceptual sequence for technical discussion. Actual layout and interfaces depend on the approved specification.



Input boundary

Owner scope / Load and utility schedule

Operating and output boundary

System-level functional acceptance / Commissioning records

Fabrication and assembly sequence



AI-generated manufacturing scene, illustrative only

TYPICAL CONTROLLED WORKFLOW

01 Vendor release

02 Fabrication and prefabrication

03 Integrated testing

04 Package documentation

Inspection and quality control

TYPICAL QUALITY CONTROL POINTS

01 Inspection plan

02 Interface and dimensional checks

03 Certification evidence where required



AI-generated sector inspection scene; illustrative only

Inspection methods, sampling, hold points and sign-off depend on the order and approved quality plan.

Factory acceptance and site acceptance

FAT / manufacturing release

- Inspection plan
- Interface and dimensional checks
- Certification evidence where required

SAT / performance verification

- System-level functional acceptance
- Commissioning records
- Handover and training

Agree test conditions, tolerances, witness authority and punch-list closeout before testing. SAT is distinct from factory release.

Site integration and commissioning readiness



AI-generated application scene; illustrative only

SITE PREREQUISITES

01 Site readiness

02 Staged delivery

03 Mechanical completion

04 Coordinated tie-in sequence

Packing, logistics and delivery

PRODUCT-SPECIFIC PACKING CHECKS

01 Mark equipment and crates by installation sequence

02 Verify package dimensions and route

03 Confirm unloading plan and receiving responsibilities

Define the Incoterms® rule, named place, export documents, insurance responsibilities and site receipt process in the commercial agreement.



AI-generated logistics scene; illustrative only

Technical and commercial risk review

Coordinate staged delivery and commissioning dependencies; define document turnover and spare parts.

Design compliance

Compare the same data sheets, duty and explicitly agreed exclusions.

Technical evidence

Request relevant engineering documents, inspection plan and test records.

Execution risk

Check site access, spares, service scope and the manufacturer's support plan.

Responsibilities across the supply chain

OWNER / EPC	SECOND DESK	MANUFACTURER / CONTRACTOR
Defines duty, project constraints, site interfaces and acceptance authority.	Clarifies the opportunity, identifies suitable suppliers and coordinates technical-commercial communication.	Owns engineering, production, testing, guarantees, site execution and contractual obligations as agreed.

Supplier names, manufacturing capability, certificates, references and country-specific approvals are verified for each enquiry; no standing partner or factory is implied.

RFQ and evidence package

01	**Technical definition**	Duty and design basis, data sheets, scope boundaries and tie-in information.
02	**Supplier evidence**	Capability, drawings, applicable compliance, inspection plan and relevant references.
03	**Commercial offer**	Scope and exclusions, lead time, payment, Incoterms® rule, optional services.
04	**Handover plan**	FAT/SAT where applicable, documentation, spares, training and after-sales.

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Discuss your next requirement

Share the application, target market or project, technical specification and expected delivery scope.

seconddeskinternational.com

Contact form: seconddeskinternational.com/#contact | Denizli, Türkiye | Meetings by appointment

SOURCE AND EVIDENCE NOTES

Second Desk sector page • ASME B31.3: process piping (where applicable) • ICC Incoterms® guidance

Visuals: generated sector illustrations and Second Desk website imagery. Project provenance, supplier capabilities and certification remain unverified unless separately confirmed.