SECOND DESK

INTERNATIONAL ADVISORY

Modular engineered systems

EPC packaging for predictable off-site integration

ENERGY & INFRASTRUCTURE



AI-generated illustration | not an actual project reference

Product scope and commercial role

TECHNICAL SCOPE

- Modular skids
- Packaged process units
- Container systems
- Utility modules

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

- Design basis
- Interface matrix
- Transport route
- Module size
- Site installation sequence

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

Engineering and component selection

DESIGN REVIEW POINTS

- Model coordination
- Lifting and support
- Access envelopes
- Cable and pipe interface
- Controls

Selection trade-off

Validate transport envelope, structural lifting points and access after setting. Avoid late clashes between package and plant piping.

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

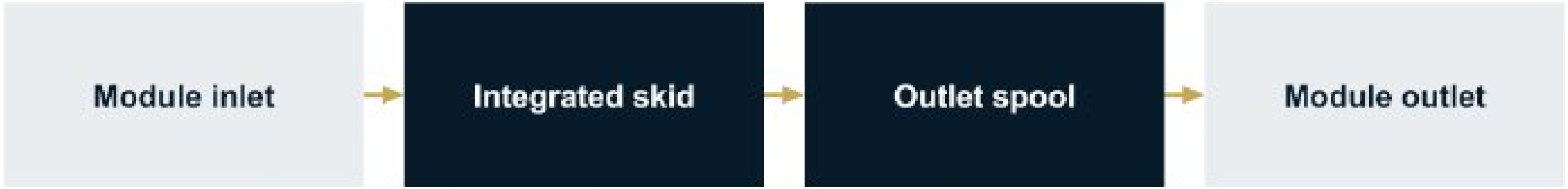
DETAILS TO CONFIRM WITH QUALIFIED SUPPLIER

- Model coordination
- Lifting and support
- Access envelopes
- Cable and pipe interface

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.



Controls, power and utility services are coordinated as separate interfaces.

Input boundary

Design basis / Interface matrix

Operating and output boundary

SAT by system boundaries / Functional checks

Fabrication and assembly sequence



AI-generated manufacturing scene, illustrative only

TYPICAL CONTROLLED WORKFLOW

01 Frame fabrication

02 Pipe spool and module prefabrication

03 Equipment placement and package assembly

04 Off-site integration and inspection

Inspection and quality control

TYPICAL QUALITY CONTROL POINTS

01 Dimensional checks

02 Specified weld inspection

03 Pressure and I/O tests

04 FAT punch list



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

- Dimensional checks
- Specified weld inspection
- Pressure and I/O tests
- FAT punch list

SAT / performance verification

- SAT by system boundaries
- Functional checks
- Punch close-out
- Turnover

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 landing

02 Tie-in alignment

03 Utility checks

04 Module integration and permits

Packing, logistics and delivery

PRODUCT-SPECIFIC PACKING CHECKS

01 Preservation

02 Tie-down and lifting provisions

03 Center of gravity

04 Shipping sequence

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 FAT witness points and SAT responsibilities in the interface matrix. Maintain document revision controls.

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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INTERNATIONAL ADVISORY

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.