



## Call No.3: Electrotechnical Design Finalization for DAC Cooling Devices

**Issued by:** DAC

**Start of Submissions:** 1/12/2023

**Deadline for Submissions:** 10/2/2024

**Contact:** [hello@airenergy.tech](mailto:hello@airenergy.tech)

### 1. Background

DAC invites proposals from qualified electrotechnical engineering firms or consortia for the finalization of design and development work on electrotechnical systems integrated into DAC cooling devices. The selected partner will support co-design efforts and deliver fully documented, production-ready electrotechnical solutions.

### 2. Objective

The objective of this call is to complete engineering work necessary for the mass production and industrial readiness of DAC's cooling system electronics, including all schematics, automation integration, and certification preparations.

### 3. Scope of Work

Key tasks under this call include:

- Refinement of electrical schematics and system architecture
- Selection and specification of mass-producible components
- Finalization of PCB layouts and wiring diagrams
- Control system integration and power management
- Certification preparation and regulatory compliance verification
- Delivery of technical documentation and design reports

### 4. Deliverables

Proposals must include:

- Technical concept and electrotechnical design methodology
- Draft schematics and control system layout
- Approach to compliance with industry regulations and standards
- Timeline and budget
- Team composition and relevant experience

### 5. Evaluation Criteria

Proposals will be assessed based on:

- Technical maturity and feasibility
- Relevance and applicability of proposed design
- Experience of the team in industrial electrotechnical development
- Completeness of documentation
- Budget adequacy and implementation timeline

### 6. Submission and Timeline

All proposals must be submitted in PDF format. Shortlisted candidates may be invited for follow-up interviews and technical clarifications.

We look forward to receiving proposals that will contribute to the creation of high-efficiency systems for sustainable heat utilization in industrial settings.