

SIA “HyAero Dynamics”, in cooperation with SIA “ETKC”, is implementing the project “Development of an Airport Hydrogen Tractor Pilot Project”. Within the project, one of the activities envisaged is the procurement of technologies and components.

We kindly ask you to prepare a price quotation for the supply of a **fuel cell module with a hydrogen tank**.

Delivery deadline: no later than **31 March 2026**.

Technical requirements

Mechanical parameters

- **Mounting type:** standard integration into intralogistics platforms
- **Weight:** optimally up to **2,000 kg** (maximum tolerance **100 kg**); to be stated in the supplier’s technical documentation

Electrical parameters

- **Nominal voltage:** **80 V**
- **Nominal power (fuel cell only):** at least **10 kW**
- **Maximum peak power:** **80 kW**
- Compatibility with the standard reference configuration **80 V 5 PzS 775 Ah DIN A** (or equivalent)

Fuel requirements

- **Fuel:** Hydrogen (H₂)
- **Hydrogen tank capacity:** at least **1.5 kg**
- **Quality:** in accordance with **SAE J2719_201511**
- **Inlet pressure and supply parameters:** to be specified in the supplier’s datasheet

Certification and safety

The system must be:

- **CE certified**
- Validated in accordance with the manufacturer’s quality procedures
- Equipped with safety elements:
 - pressure monitoring,
 - gas leak sensors,
 - temperature protection,
 - automatic shutdown in the event of anomalies

Digital functionality

- Real-time data availability (e.g., operating status, error codes, diagnostics)
- Remote monitoring and service access

Operational requirements

- Operation indoors and outdoors with **Airport Ready** heating support
- Start-up time according to the manufacturer's specification
- Continuous operation mode **24/7**
- Maintenance intervals to be stated in the technical documentation

Documentation to be included

The supplier must provide:

- User and maintenance manual (**ENG**)
- CE Declaration of Conformity
- Test reports and quality certificates
- Electrical wiring and integration schematics
- Safety instructions for working with H₂ fuel
- Manufacturer's warranty certificate

Installation and commissioning

The supplier must provide:

- preparation of the equipment for operation,
- initial start-up,
- configuration of parameters,
- verification of safety systems,
- staff training (min. **2 hours**)

Warranty terms

- Minimum warranty: **24 months** or **4,000 operating hours**, whichever occurs first
- Included: parts, labour, remote diagnostics
- Option to extend the warranty (optional)

Quality and compliance requirements

The supplier must ensure:

- Manufacturing under **ISO 9001** or equivalent
- Material traceability
- Testing protocols prior to dispatch
- Compliance with EU safety and H₂ equipment directives

Please submit your price quotation by **5 January 2026**.