



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of the Environment, Transport,  
Energy and Communications DETEC

**Federal Office for the Environment FOEN**  
Economics and Innovation Division

File: BAFU-085.1-47093/2/3  
Business event:

Order No.: 110012854 / 8T20/19.0111.PJ/0001  
Credit No.: A200.0001 Globalkredit / Forschung  
Contract No.: 19.0111.PJ / C2A2B5674  
Cost ceiling: CHF 28,355.00 (EURO 27'004.00)  
Duration: 6/1/2021 - 12/31/2023

## Research Contract

between the

### Swiss Confederation

represented by the

**Federal Office for the Environment FOEN 3003 Berne**  
(Federal Office)

and

**ETA-Danmark A/S**  
**Portland Towers Göteborg Plads 1**  
**2150 Nordhavn**  
**Denmark**  
(Research Institution)

relating to

**Pilotproject ISO 14034/ VERA in Switzerland: Verification body (Lot 2)**



BAFU-D-47633401/1278

## **1 Introduction, Subject Matter, Objective**

### **1.1 Situation**

Environmental Technology Verification (ETV) consists in the verification of the performance of environmental technologies or in other words is the establishment or validation of environmental technology performance by qualified third parties based on test data generated through testing using established protocols or specific requirements.

Since the 1990s various ETV programs have been established in different countries around the world (USA, Canada, Japan, Korea, Philippines...) to promote environmental technologies. In Europe, ETV has been developed as well in different European countries as part of government initiatives and/or as part of funded research projects. Furthermore, the European Commission initiated the EU-ETV pilot program in December 2011 with the support from seven EU member states. However, each program has its own definitions, structure and procedures and the programs are not always inter-compatible. Therefore, an international working group was formed to work on the convergence of the different programs towards mutual recognition which eventually resulted into the publication of ISO 14034 Environmental management – Environmental technology verification in 2016 by the international organization for standardization (ISO).

Besides the ETV programs in 2008 VERA (Verification of environmental technologies for agricultural production), a multinational cooperation between Denmark, the Netherlands, Flanders and Germany for testing and verification of environmental technologies in the agricultural sector has been launched.

The project will test the suitability of the two existing procedures VERA and ISO 14034 for Switzerland. To this end, the verification procedure for an exhaust air purification system in barns will be carried out according to ISO 14034 and VERA. In this project several stakeholder are involved: manufacturer of technology, farmer managing test site A, and farmer managing test site B (Lot 1), verification body or verifier (Lot 2), and test body (Lot3)

This contract regulates the services of Lot 2, which includes the verifier.

The present activity embeds itself in the Research Concept Environment for the years 2021-2024, Research Area 1. "Environmental Economics and Resource Efficiency", Theme 2.8 "Development and Testing of Methods for the Evaluation of Environmental Innovations".

In the report "Green Economy: Federal measures for a resource-conserving, sustainable Switzerland" of 20 April 2016, the development of a concept for the evaluation of environmental technologies is also listed as measure 3c.

### **1.2 Justification of procedure (WTO, PPA, PPO)**

The mandate (lot 2) was awarded in an open procedure in accordance with Article 18 of the Federal Act of 21 June 2019 on Public Procurement (PPA). The award was published on [www.simap.ch](http://www.simap.ch) (simap-no. 206576; 09.11.2020, Vorhaben-ID 206576).

In view of the lack of submitted offers for the lot 2, it was negotiated directly in accordance with Article 21 paragraph 2 letter a of the Federal Act of 21 June 2019 on Public Procurement (PPA).

## **2 Assignment, Description of Work Required and Deadlines**

The verifier carries out the verification, coordinates the work of the 3 lots and bears responsibility for the overall project. The verifier's performance includes:

1. Assuming overall coordination for the work to be carried out in the three tendered lots and project management vis-à-vis the FOEN. Participation at online project meetings and physical meetings in Switzerland (2 days of conference with 2 experts).
2. If a not-accredited test body is in charge of lot 3, assessment and acceptance of the test body

3. Preparation of a verification plan in accordance with the ISO 14034 standard, taking into account the general VERA guidelines and the correct VERA verification protocol for exhaust air purification systems.
4. Holding the overall responsibility for the verification process:
  - Carrying out the verification process consisting of reviewing the existing test data, commissioning the test body (see Lot 3) to collect additional test data, checking compliance with the verification plan, assessing the test data collected (i.e. assessing the test reports) and confirming the environmental performance of the exhaust air purification system, including a life cycle assessment in accordance with Chapter 3.3.6, ISO 14034.
  - Cooperation with the contact point designated by VERA to enable the recognition of the verification result by VERA.
  - Monitoring of the verification of the technology at test side A and test site B.
  - Development of verification report and preparation of **VERA statement**.
  - Comparison of the technology performance claim with a "relevant alternative" that has been verified according to the VERA verification protocol for exhaust air purification systems. As a "relevant alternative" the technology "Farm AirClean BIO Flex 3-stage" and/or „Farm AirClean BIO Flex 2-stage" of SKOV A/S can be used.
  - Preparation of the verification report and the **verification statement according to the ISO 14034 standard** for publication.

According to the VERA test protocol for exhaust air purification systems, the measurements are carried out during a summer and a winter measurement campaign of 8 consecutive weeks each.

### 3 Organization

#### 3.1 Contact at the Contractor and their function

Bruun, Thomas, CEO, (+45 72 24 59 68, [tb@etadanmark.dk](mailto:tb@etadanmark.dk))

#### 3.2 Contact at FOEN

Zürcher, Daniel, Chef Sektion Innovation, Tel. +41 58 462 93 51, E-Mail: [daniel.zuercher@bafu.admin.ch](mailto:daniel.zuercher@bafu.admin.ch)

#### 3.3 Reporting (interim and final reports) and form of cooperation

1. Participation at online meetings and physical meetings in Switzerland according to Art. 2.1
2. Preparation of the verification statements according to ISO 14034 and VERA according to Art. 2.4

#### 3.4 The Contractor hereby declares that he/she is experienced in the field of expertise forming the subject matter of the Contract; he/she therefore undertakes to carry out the work as a specialist in a competent, diligent and comprehensive manner. He/she accepts liability for being aware of and complying with the relevant regulations.

#### 3.5 Reference must be made to FOEN or to the support provided by FOEN (precise formulation in accordance with leaflet from the Communication Section) in all publications (incl. internet) as well as at events arising out of this Contract. Logos may not be used without the prior consent of FOEN. The right to use the logo requires the prior approval of the FOEN, and must be requested at least 14 days before the publication is scheduled to be printed or put online.

#### 3.6 Publications and websites have to be designed and produced to be accessible to all (texts, tables, graphics, images, photos, audio, video). They therefore have to be published in a form that satisfies the guidelines of the Confederation as well as the international "Web Content Accessibility Guidelines (WCAG 2.0)". Information, guides and tools on accessibility can be found at <https://www.edi.admin.ch>.

#### **4 Funding**

- 4.1 FOEN shall incur from this Contract costs amounting to a maximum of CHF 28,355.00 (EURO 27'004.00 / cost ceiling), incl. all incidental costs, expenses, social insurance payments, value added tax, etc. FOEN shall finance these costs from budgetary credit.

Contracts covering more than one financial year are conditional to annual budget approval by the federal authorities.

- 4.2 The Contractor shall receive the following remuneration:

The Contractor shall be paid a flat-rate fee of CHF 28,355.00 (EURO 27'004.00). This flat-rate was calculated on the basis of a cost estimate according to the offer dated 13.04.2021.

His flat-rate payment covers all costs and expenditures incurred by the Contractor incl. expenses, social insurance payments, and value added tax.

- 4.3 Social insurance payments and value added tax:

FOEN shall not incur any obligations of any nature as an employer as a result of this Contract, whether in terms of the AHV legislation, or in terms of the Code of Obligations. The settlement of social insurance payments and the Value Added Tax is a matter for the Contractor alone.

- 4.4 Billing

The Contractor shall submit his invoice every six months.

The invoice shall in each case be accompanied by a report providing information on the progress of the work. The invoice shall be due for payment as soon as the report has been approved by FOEN. The payment shall be made within 30 days (GTC).

The approval of the reports and the actual acceptance of the invoice shall be carried out by the person from FOEN named in Section 3.2.

Invoices must be addressed exactly as follows:

Federal Office for the Environment FOEN, c/o Service Center FI FDF, 3003 Berne.

Every invoice must contain the following indications:

- A) Order number **110012854**
- B) Credit number: A200.0001 Globalkredit / Forschung
- C) Contract number: 19.0111.PJ / C2A2B5674
- D) Innovation Section, Zürcher, Daniel

Invoices sent to the FOEN must be submitted electronically:

- [www.e-rechnung.admin.ch](http://www.e-rechnung.admin.ch), eBillAccountID Postfinance: 41100000125627459, ConextradelID: 41301000000179143
- E-mail addresses for PDF invoices: [PDF-Rechnung@efv.admin.ch](mailto:PDF-Rechnung@efv.admin.ch)

#### **5 Integrity Clause**

The bidder and the instructing party undertake to take all necessary measures to avoid corruption, in particular that no payments, gifts or other advantage will be offered or accepted. Should this integrity clause be disregarded, the contractor must pay a contract penalty. This will amount to 10% of the contract value, a minimum of CHF 3,000.00 per contravention. The bidder should take note that a contravention of the integrity clause, for important reasons, generally results in the annulment of the tender and the premature termination of the contract by the instructing party.

#### **6 Commencement of the Contract**

The Contract must be signed by both contracting parties. It comes into force when signed by both parties per 6/1/2021 and continues in force until 12/31/2023.

**7 Parts of the contract, appendixes**

The following (in order of priority) are an integral part of the present contract:

- Appendix I General Terms and Conditions of the Federal Government for Research Contracts (GTC), in the currently valid version
- Appendix II the offer and budget plan of 4/13/2021

**8 Distributor**

There are two originals of this contract:

- Originals: - Federal Office
- Supplier

The Federal Office

Bern, *14.6.2021*

Federal Office for the Environment FOEN



Susanne Blank  
Head of Division Economics and Innovation

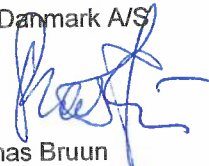


Daniel Zürcher  
Head of Section Innovation

The Contractor

Nordhavn, *28.6.2021*

ETA-Danmark A/S



Thomas Bruun  
CEO