



RWANDA ULTIMATE GOLF COURSE LTD
Company Code: 109031590

Request for Proposal

For

Contract for the Supply and Maintenance of the Lightning Alert System

Procurement Method: National Open Competitive Bidding

Procurement Reference Number:

2026/NCB/LAS /RUGC/07

October 2026

A handwritten signature in blue ink, consisting of a stylized 'A' shape with a long horizontal stroke extending to the right.

Tender Bid Notice

Invitation No: **2026/NCB/LAS/RUGC/07**

1. The Rwanda Ultimate Golf Course requests for a proposal for Tender; Supply and Maintenance of the Lightning Alert System, More details on the scope of work are provided in the technical specifications.
2. The Best selected Bidder will be selected based on the lowest-priced quotation, which is eligible and technically compliant with the procedures described in this RFP.
3. The RFP includes the following documents:

Section1 - Letter of Invitation.

Section 2 - Instructions to Bidders.

Section 3 - Technical Proposal and Financial Proposal.

Section 4 - Technical Specifications.



Section 1: Letter of Invitation.

1. The RWANDA ULTIMATE GOLF COURSE LTD(RUGC) requests a proposal for the tender of Supply and Maintenance of the Lightning Alert System, during the financial year 2026.
2. You are requested to submit your bid electronically to the email: info@kigaligolf.rw/ procurement@kigaligolf.rw and **hard copy** to Kigali Golf Course Board room; KG 548 Street & KG 13 Avenue | P.O Box 1919 Kigali-Rwanda the no later than **28th October 2026 at 10:00 AM.**
3. Your bid should be compiled by the following documents:
 - a. Photocopy of trading license having the activity bided for as its main activity
 - b. Testimonial of tax clearance from RRA.
 - c. Testimonial of debt clearance from Rwanda social security board
 - d. Proof of purchase of the tender document (10,000 RWF), to be paid to account number **00040-06992621-27 (Bank of Kigali)**, in the name of **RUGC**.
 - e. Declaration of Commitment letter.
 - f. Detailed description of the essential technical characteristics of the goods to be provided establishing conformity to technical specifications.

It is in this regard that we invite you to submit your quotations, and all bids will be sent to RUGC Email: info@kigaligolf.rw and Procurement@kigaligolf.rw procurement not later than **28th October 2026 at 10:00 AM.**

4. Enquiries regarding this tender may be addressed to Email: info@kigaligolf.rw/ Procurement@kigaligolf.rw. or Tel: 252 500 000.

Section 2 - Instructions to Bidders

1. Introduction

Bidders are invited to submit a Technical Proposal and a Financial Proposal, as specified in these Instructions to the Bidders.

The Proposal will be the basis for contract negotiations and ultimately for a signed contract/ Purchase order with the selected Bidder.

The Bidder shall bear all costs associated with the preparation and submission of their proposal and contract negotiation.

Eligibility Criteria

2. Administrative criteria.

The Bidder shall submit the following documents:

- a. Photocopy of trading license having the activity bided for as its main activity
- b. Testimonial of tax clearance from RRA.
- c. Testimonial of debt clearance from Rwanda social security board
- d. Proof of purchase of the tender document (10,000 RWF), to be paid to account number **00040-06992621-27 (Bank of Kigali)**, in the name of **RUGC**
- e. Declaration of Commitment letter.

3. Criteria of technical and financial conformity.

- a. Detailed description of the essential technical characteristics of the goods to be provided establishing conformity to technical specifications.

Evaluation of Proposals

The evaluation of Proposals will be done as detailed below:

1. Preliminary examination to determine eligibility (as defined below) and administrative compliance to this tender on a pass/fail basis.
 - Proposals failing at any stage will be eliminated and not considered in subsequent stages.
2. Detailed Technical evaluation.
 - Proposals failing at any stage will be eliminated and not considered in subsequent stages.
3. Financial Proposal evaluation
 - An accurate and clear detailed summary of the cost of the financial proposal

4. Best Evaluated Bid

The best evaluated bid shall be the lowest priced quotation, which is eligible and technically compliant.

5. Terms of Payment

Payment shall be made against the invoice after delivery of the product through bank transfer in favor of the Bidder's Bank.

Payment shall be made within 30 days against submission of your Invoice and supporting documents following delivery of the goods.

The Rwanda Ultimate Golf Course Ltd will pay correctly addressed and undisputed invoices within 30 days.

The essential information on the invoice for the RUGC is:

- A description of the product supplied.
 - The invoice should be attached to the contract/Purchase Order.
 - Addressed to the finance department for RUGC.
 - The costs include VAT (if applicable).
-
- Bank details should be accurate and conform to the contract.

6. Award of Contract

The contract will be awarded after the evaluation of the Administration, Technical and Financial Proposal.

7. Taxes

The Bidder may be subject to local taxes on amounts payable by the Client under the Contract.

8. Delivery period

The goods shall be delivered to RUGC within fifteen (15) days from the date of issuance of the Purchase Order, in accordance with the terms and conditions of the contract.

9. Clarification and Amendment of RFP Documents

The Bidder may request a clarification of any of the RFP documents up to two (2) days before the proposal submission date. Any request for clarification must be sent in writing, or by standard electronic means to the Client's address indicated in the instructions to Bidder.

Section 3: Technical Proposal and Financial Proposal

10. Preparation of Proposals

In preparing their Proposal, the Bidder is expected to examine in detail the documents comprising the RFP.

11. Language

Documents to be issued by the Bidder as part of this assignment must be in English.

12. Technical Proposal

A Bidder is required to submit a Full Technical Proposal (FTP) that **reflects and matches** the specifications outlined in the RFP.

13. Financial Proposals

A Bidder is required to submit a Financial Proposal (FP). It shall list all costs associated with this assignment, including all costs as below.

SECTION 4: TECHNICAL SPECIFICATIONS OF LIGHTNING ALERT SYSTEM

Supply, Delivery and Installation of Replacement Spare Parts for PREVISTORM® Electric Field Sensor/Lightening Alert System Installed at RUGC

1. Scope of work

The Supplier shall supply, deliver, and install the following, and provide commissioning support to restore full sensor functionality:

- Conduct a deep a detailed system inspection to diagnose the root cause of the failure and propose the most adequate solution
- PREVISTORM® Electric Field Sensor Motherboard, 24V , replacing the damaged unit identified in the site inspection.
- Associated connection cables, adapters, and consumables required for a complete, functional installation (e.g., RS232 to USB adapter cable, sensor connection cabling).
- On-site installation of the replacement part into the existing enclosure/mounting, reconnection to the system console, and verification of communication and readings.
- Basic operational training for the Organization's designated personnel on monitoring the console output and recognizing fault conditions.

2 Spare Part Specification (for Reference)

The Supplier shall confirm exact part numbers and compatibility with the existing PREVISTORM® installation prior to order confirmation.

Item	Reference	Qty	Notes
PREVISTORM® Electric Field Sensor Motherboard, 24V	700023	1	Primary replacement part
RS232 (D-Sub 9) to USB Adapter Cable	700053	1	Console communication interface
Connection cabling / accessories	[Confirm with supplier]	As required	To match existing installation

3. Detailed technical specifications of PREVISTORM® Electric Field Sensor Motherboard, 24V.

Normative:

- IEC 62793:2016. CLASS A.
- EN 55011/22 (Radiated and Conducted)
- EN 61000-3-2, EN 61000-3-3
- EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11

Environmental:

- Operating temperature: -23°C a +50°C.
- Humidity: 0% a 100%.
- IP Level: IP65.

Construction:



- Operating principle: Electric Field Mill.
- Motor type: brushless.
- Material: Stainless steel and aluminium.
- Fixation: Direct insertion into the mast top.
- Weight: 1,85kg.

Electric:

- Cabling: 20 meters multi-via cable. Contact INGESCO for other lengths and customizations.
- Power:

Standard model: 24V±10%@500mA(max).

Extended model with de-icing: 48V±10%@2.0A(max).

- Communications interface: Isolated RS232, 57600, 8n1, Full-duplex.
- Signalling outputs: 2 isolated relay outputs.

Operation:

- Measurement range: ±100kVm-1.
- Resolution: 1Vm-1 (when operating at highest sensitivity).
- Precision: ±10Vm-1 (when operating at highest sensitivity).
- Data rate: 4 samples per second.
- Lightning detection range: up to 20km.
- Response time: 150ms (with data filtering disabled).
- Alarm levels: 4 (No alarm, Level 1, Level 2 and Level 3).

Options and extras:

- Power supply: Consult INGESCO.
- Customized cable: Contact INGESCO.
- De-icing and heaters: Available only for the 48V model. Recommended for installation in sites where snow and frost occur.
- Remote console: Console with LCD display, integrated power supply, and four (4) dry relay outputs. Contact INGESCO

specifying the product code "PREVISTORM® Thunderstorm Warning System MAD"



Jacobus Johannes Visagie,
General Manager





▶▶ **PREVISTORM® THUNDERSTORM WARNING SYSTEM**

Precision electric field sensor for thunderstorms prediction, detection and early alerts generation.

▶ **description**

The **PREVISTORM® Thunderstorm Warning System** for preventive lightning protection continuously measures and analyses the evolution of the atmospheric electric field. This system supports the monitorization of the thunderstorm cloud electrification process, the generation of early warnings and alerts and the detection of lightning discharges in a radius of up to 20km.

Lightning discharges constitute a real threat that causes many victims every year. Damages caused by lightning to goods are also of considerable magnitude and, occasionally, cause partial or complete stoppage of key and important activities.

The **PREVISTORM® Thunderstorm Warning System** lightning prevention system monitors the clouds electrification process. The alarms generated by this system provide knowledge in advance that lightning occurrence risk has increased. This knowledge provides a valuable time advantage for the activation of preventive measures for protecting and preserving lives and goods.

This system is suitable for installation as an autonomous system and as well as part of more complex systems with multiple sensors. Working as an autonomous system, the **PREVISTORM® Thunderstorm Warning System** can be used for generating visual and audible alerts that indicate the start and end of periods of high electro-atmospheric discharges occurrence risk.

The **PREVISTORM® Thunderstorm Warning System** can be integrated into automated ambient monitoring and scientific research systems for continuous monitoring of the electro-atmospheric field.

▶ **operation**

The **PREVISTORM® Thunderstorm Warning System** lightning prevention system employs the "electric field mill" operating principle for making measurements of the atmospheric electric field intensity. The methods and real-time processing algorithms implemented in this system make possible the determination of the moments of increase and decrease of the risk of lightning occurrence. The operation parameters controlling the alarms generation, as well as the ones controlling the adaptation to the installation site, are completely customizable.

The **PREVISTORM® Thunderstorm Warning System** also supports two isolated relay outputs. These outputs support, amongst other functions, the activation of external acoustic alarms and visual indicators. The software included in the system supports the creation of various independent signalling patterns for discriminating between the indications of start and end of high risk periods.

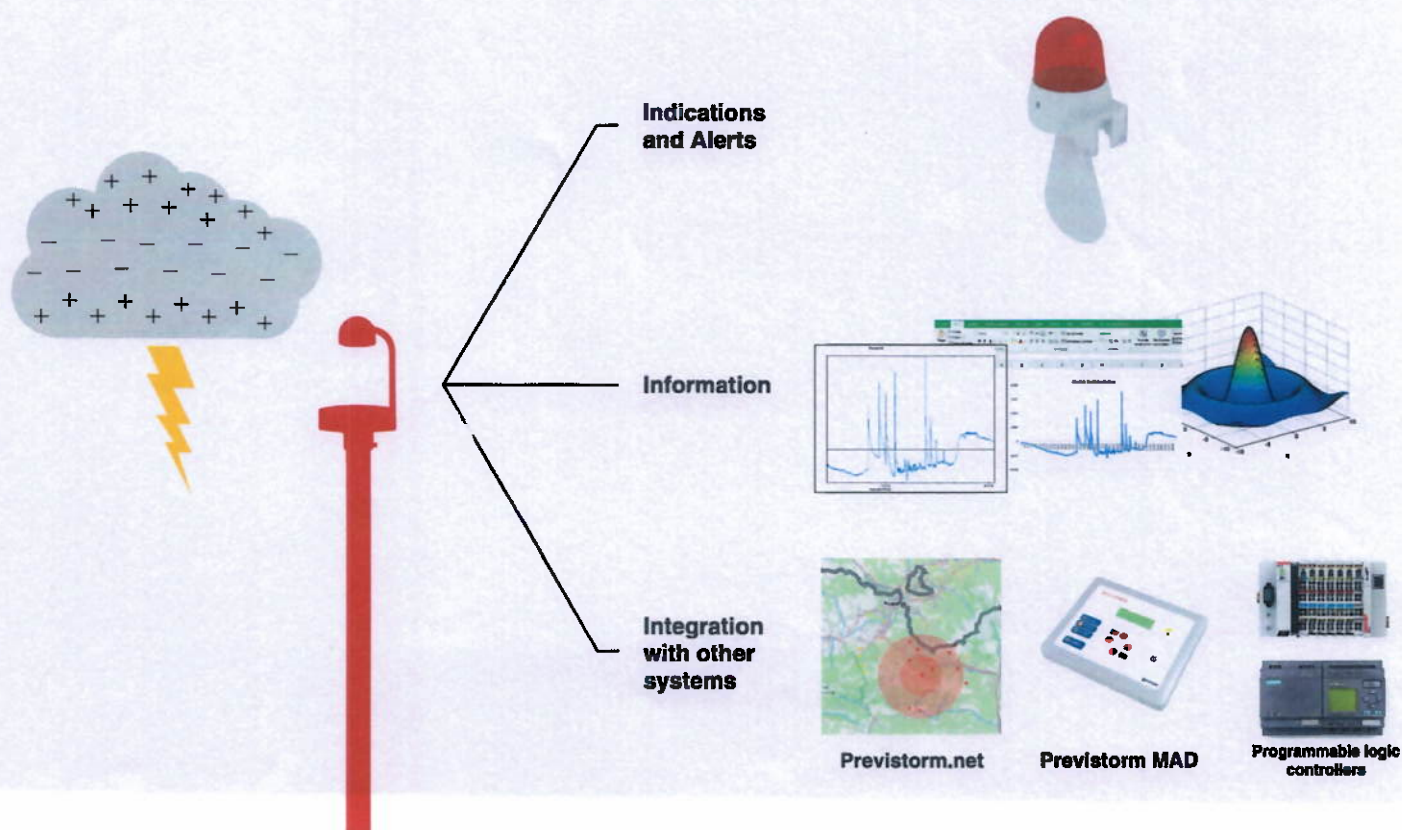
► advantages

- Being warned about the existence of high risk of lightning occurrence before the first lightning flash happens.
- Guarantee of life and goods protection by taking effective preventive actions.
- Take of more precise measurements than similar storm detectors.
- Monitoring of the electrostatic field intensity and its variations.
- Detection of lightning discharges occurring in the detection range.
- Mechanical design that guarantees higher immunity to rain noise.
- Availability of models supporting de-icing and anti-freezing.
- In accordance with standard IEC 62793:2016, Protection against lightning – Thunderstorm warning systems.

► software

The **PREVISTORM® Thunderstorm Warning System** is shipped with the software package which is required for its configuration, personalization and use. The software package supports, amongst others, the following features:

- Supports connections to a virtually unlimited number of **PREVISTORM® Thunderstorm Warning System** systems, being limited only by actual computer resources.
- Access to all configuration features which are required for its personalization and adaptation during installation and maintenance.
- Visualization of current electric field value as reported by the **PREVISTORM® Thunderstorm Warning System**.
- Visualization of current alarm levels and states.
- Strip chart graph with the evolution of taken measurements.
- Continuous datalogging of received data and system state.
- Support for the integration of other signals provided by other systems.
- Modular and extensive design supporting the addition of new customized features.



► technical specifications

Normative:

- IEC 62793:2016. CLASS A.
- EN 55011/22 (Radiated and Conducted)
- EN 61000-3-2, EN 61000-3-3
- EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11

Environmental:

- Operating temperature: -23°C a +50°C.
- Humidity: 0% a 100%.
- IP Level: IP65.

Construction:

- Operating principle: Electric Field Mill.
- Motor type: brushless.
- Material: Stainless steel and aluminium.
- Fixation: Direct insertion into the mast top.
- Weight: 1,85kg.

Electric:

- Cabling: 20 meters multi-via cable. Contact INGESCO for other lengths and customizations.
- Power:
 - Standard model: 24V±10%@500mA(max).
 - Extended model with de-icing: 48V±10%@2.0A(max).
- Communications interface: Isolated RS232, 57600, 8n1, Full-duplex.
- Signalling outputs: 2 isolated relay outputs.

Operation:

- Measurement range: ±100kVm-1.
- Resolution: 1Vm-1 (when operating at highest sensitivity).
- Precision: ±10Vm-1 (when operating at highest sensitivity).
- Data rate: 4 samples per second.
- Lightning detection range: up to 20km.
- Response time: 150ms (with data filtering disabled).
- Alarm levels: 4 (No alarm, Level 1, Level 2 and Level 3).

Options and extras:

- Power supply: Consult INGESCO.
- Customized cable: Contact INGESCO.
- De-icing and heaters: Available only for the 48V model. Recommended for installation in sites where snow and frost occur.
- Remote console: Console with LCD display, integrated power supply, and four (4) dry relay outputs. Contact INGESCO specifying the product code "PREVISTORM® Thunderstorm Warning System MAD".

► application examples

Autonomous alarms system for crowded events

Lightning occurrence constitutes a risk during the celebration of highly crowded events. The **PREVISTORM® Thunderstorm Warning System** allows creating autonomous systems for alerting participants and organizers about the existence of lightning risk. The signalling outputs provided by this system are ideal for controlling external acoustic and visual signalling devices.



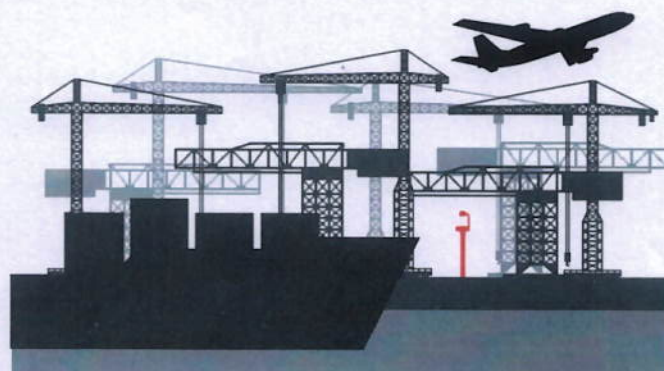
Alerting system for mine exploitations

Persons and machinery displacements in areas which are exposed to lightning are usual in mine exploitations. The **PREVISTORM® Thunderstorm Warning System**, combined with the **PREVISTORM® Thunderstorm Warning System MAD** console, facilitate the creation of a complex signalling and control system. It is possible to indicate the beginning and finalization of high lightning occurrence risk periods using distributed visual and audible signalling devices. The dry contact relay outputs provided by the **PREVISTORM® Thunderstorm Warning System MAD** console can be used for controlling the automatic initiation of backup energy generators. These outputs are also suitable for disconnecting valuable equipment and devices that must be preserved and protected from lightning during thunderstorms.



Integration to automatic weather monitoring systems in ports and airports

Aircraft refuelling operations, as well as charge and discharge of luggage and goods and passenger displacements in airports constitute high risk operations during thunderstorms in airports. Obtaining precise measurements of the electric field intensity and its evolution in time is of great help during the decision-making process for preventive protection in ports and airports. The **PREVISTORM® Thunderstorm Warning System** constitutes a valuable instrument for monitoring the evolution of the atmospheric electric field and can be easily integrated into more complex automated ambient monitoring systems.



Other applications

The **PREVISTORM® Thunderstorm Warning System** is an ideal option for implementing preventive protection systems in golf courses, gas processing camps, renewable energies, theme parks, firefighting preservation and many other applications.

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THUNDERSTORM
WARNING SYSTEM**

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