

EXPRESSION OF INTEREST

Transformer Vandalism Monitoring Solution

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1.0. Introduction

Safaricom PLC is a leading converged communications company in Kenya serving different customer segments, one of them being the large enterprise segment, anchored on its vision of transforming lives. Safaricom PLC is leveraging on its mobile network service provider license and its high-speed internet connectivity to deliver various power-related projects to help its large enterprise customers to minimize operating costs and offer seamless services to their clients.

2.0. Background

Our customer is a power distribution company with the primary goal of generating, transmitting and distributing electricity to its subscribers with acceptable service levels that ensure minimal disruption of electricity supply.

The primary objective of this EOI is to identify reputable and qualified vendors who will provide a transformer vandalism monitoring system to prevent cases of transformer vandalism by detecting, alerting and prompting response.

3.0. Summary of requirements

Safaricom is looking for a transformer vandalism monitoring system. The solution should have the following capabilities:

- i. It should be able to give the location of the transformer on demand and send alerts if the transformer is being moved from its current location.
- ii. It should be able to detect any angular change in the positioning of the transformer and be able to send alerts and warnings on such events.
- iii. It should be able to detect proximity movement for prolonged duration next to the transformer as well as any climbing of the pole.
- iv. It should be able to detect any breach or tamper to the body or hull of the transformer and report such events immediately.
- v. It should have audio alarms where applicable which should go off upon breach or exceeding a critical tilt angle or any other parameters indicating ongoing theft or vandalism.
- vi. It should have alternative power source to be able to work for at least 48 hours in the event of power unavailability.
- vii. It should be equipped with CCTV cameras with infrared capabilities to help in theft and vandalism prevention.
- viii. It should be inconspicuous and blend seamlessly with the transformer.
- ix. It should be able to communicate with the customer's monitoring platform preferably through GSM, but back-up communication systems and alternatives are welcome.
- x. Alarms raised by the solution should not be cleared from the system until acknowledged and cleared from the customer's monitoring office.
- xi. It should link up with our customer's login/logout system or come with its own login/logout system to clearly indicate when alarms are related to a scheduled maintenance or a power failure.
- xii. It should be able to store onsite data in the event the solution is disconnected from the network.

- xiii. It should provide adequate short term, medium term and long-term storage of captured data.
- xiv. It should provide adequate password mechanisms and multilevel access to ensure only authorized personnel interface with the system and with the right privileges.
- xv. It should provide analysis and reports or present the data in a format for analysis and data science operations.
- xvi. It should have the necessary encryption of the data it's handling.
- xvii. It should provide data exclusivity to the customer.
- xviii. It should provide real time visualization of data from it either by posting on its own dashboard or exporting data to already existing tools as prescribed by the client.
- xix. It should be rugged to withstand the rugged environment where outdoor pole mounted transformers are deployed. As such the components of the solution should be able to withstand falls from height as well as vibrations. To some extent the components should be dust proof, waterproof and rust proof.

4.0. EOI response requirements

Interested prospective suppliers are requested to submit the following documents as part of their response to this Expression of Interest (EOI):

No.	Company Documents Required
1	Relevant licenses and certifications. Include details of the company's physical premises and contact details
2	Brief company profile detailing general experience in supplying transformer vandalism monitoring solutions.
3	Audited accounts for the past 3 years.
4	List of five (5) clients whom the company has provided similar solution(s) with reference contact details. This should include a brief description of deliverables/project scope and reference letters (where possible) from the clients served in the last five (5) years.
5	Any additional information that supports your capabilities in this scope.

5.0. Expression of Interest (EOI) Process

Organizations that express interest to participate in the provision of the above-mentioned solution and meet our requirements shall be prequalified for the provision of this service in their area(s) of expertise and invited to the tender subject to them providing required documentation and demonstrated ability to deliver the partnership competency. Only those suppliers who meet the minimum evaluation and pre-qualification criteria will be considered for further discussion in the tender process.

The formal next process will be as below:

1. Review of submitted Expressions of Interest (EOI).
2. Prequalification of shortlisted suppliers who are not currently in our supplier database.
3. Issuing of Tender to selected prequalified suppliers.

Notes to respondents:

- Build a detailed response showcasing your firm's capacity and experience in offering transformer vandalism monitoring systems as described in this Expression of Interest (EOI) document.
- Detail any other services that your organization deals with that may be related to the focus of this Expression of Interest.
- Outline any industry best practices and trends that your firm may consider relevant for the EOI scope and considerations.
- The Expression of Interest response must **not** include any pricing/commercial proposal.
- All responses should be provided in standard file formats i.e., PPTs, XLSs, DOC(X), PDF.
- Any costs associated with the preparation and submission of the response to the Expression of Interest shall be borne by the vendor.
- The receipt of a response shall not bind Safaricom into any contractual agreements with the bidder. Such arrangements shall only come in place once a tender process has been undertaken and an award issued to successful bidder(s) as evaluated technically and commercially.
- Safaricom PLC reserves, at its sole discretion, the right to select or reject either in totality or partially, any or all proposals made in the context of this Expression of Interest. Any such decisions made will be final and no correspondence will be engaged into, other than for informing the bidders of the outcome of the process
- Safaricom and its authorized representatives will conduct any inquiries or investigations to verify the documents and information submitted in connection with this application.

6.0. Submissions of Enquiries and Responses

Interested prospective partners, should submit their responses to this EOI in soft copy addressed to BOdhiambo1@Safaricom.co.ke copying PGathura@Safaricom.co.ke & PKyengo@Safaricom.co.ke no later than **Wednesday the 17th of November 2021** at 5:00PM East African Time.