



**SOUTH AFRICAN NATIONAL SPACE AGENCY
(SANSA)
SPACE ENGINEERING PROGRAMME**

**Request for Information (RFI)
for
Upgrades/repairs of the Perimeter Fence and
security-related maintenance at Houwteq
Assembly, Integration and Test Facility**

RFI No: RFI/009/07/2025

Request for Information Issue Date: **25 July 2025**

Request for Information Due Date: **14 August 2025 at 16:00**

1. INTRODUCTION

The South African National Space Agency (SANSA) was established by an Act of Parliament – SANSA Act 36 of 2008. SANSA's mandate is to provide for the promotion and use of space and cooperation in space-related activities, foster research in space science, advance scientific engineering through human capital and support the creation of an environment conducive to industrial development in space technologies within a framework of national government policy.

Furthermore, SANSA has a legislative mandate to develop the space industry in South Africa.

The Houwteq Assembly Integration and Test (AIT) Facility has been established as part of a previous era of space technology development in South Africa in 1985. The facility is in the process of being upgraded.

This RFI is issued as a means of technical discovery and information gathering only, and aims to determine work scope and indicative costing. This RFI is not an invitation to pre-qualify prospective contractors and participation is voluntary. Furthermore, all the information provided may be used for planning purposes and is none binding on either parties.

2. BACKGROUND

This SANSA project aims to upgrade Houwteq AIT Facilities to a state with which the local space industry could professionally address their future growing needs for development testing, qualification and at times acceptance of primarily space equipment and systems.

This RFI is issued solely for information gathering and planning purposes; this RFI does not constitute a formal solicitation for proposals. Note that responses to this RFI will be kept strictly confidential and used only for topic development for future in support of the South African space engineering industry sector.

3. INFORMATION REQUESTED

All information shall be submitted in accordance with the instructions provided in this document. Classified responses will not be accepted.

SANSA request that respondents assess the requirements as stated in Annexure A of this RFI and submit proposals for solutions that they are able to provide. The proposals should address the technical solution concepts and scope, implementation plan and timeline, risk aspects, assumptions made, expected

customer supplied items and interfaces, long lead items, and any relevant SHEQ aspects.

4. RFI INQUIRIES

Inquiries to this RFI must be submitted to scm@sansa.org.za. No telephone inquiries will be accepted. SANSA will review queries and if relevant post responses on the SANSA website in the RFI site. Queries must be submitted by 05 August 2025 to be considered by SANSA for a response.

5. SUBMISSION INSTRUCTIONS

Responses to this RFI are due **no later than 16:00, on 14 August 2025**. All submissions must be electronically submitted to scm@sansa.org.za, as a PDF file attachment not to exceed 10MB. The information provided in response to this RFI will not be disclosed publicly.

The information is requested for planning purposes only. The release of the RFI does not indicate that SANSA will issue a solicitation, nor does it obligate SANSA to invest any resources specific to the targeted system areas declared in the responses to this market research activity.

A voluntary site visit shall be attended by respondents for the **06 August 2025** at the Houwteq site. Although all responses will be considered, it is highly recommended that respondents attend due to the uniqueness of the site. All respondents are to indicate their attendance by no later than 01 August 2025 to scm@sansa.org.za.

SANSA may request respondents to present their proposal after the submissions have been assessed.

6. DISCLAIMERS AND IMPORTANT NOTES

This RFI is issued solely for information gathering and planning purposes; this RFI does not constitute a formal solicitation. Respondents are advised that SANSA is under no obligation to acknowledge receipt of the information received or provide feedback to respondents with respect to any information submitted under this RFI.

Responses to this RFI are not offers and cannot be accepted by SANSA to form a binding contract. Respondents are solely responsible for all expenses associated with responding to this RFI. SANSA will not provide reimbursement for costs incurred in responding to this RFI. It is the respondent's responsibility to

ensure that the submitted information has been approved for public release by the information owner.

SANSA does not intend to award a contract on the basis of this RFI or to otherwise pay for the information solicited, nor is SANSA obligated to issue a solicitation based on responses received. Neither proprietary nor classified information should be included in the submittal.

Annexure A: Houwteq AIT Facility Electrical Perimeter Fence Requirements Statement

1. PROBLEM STATEMENT / PURPOSE

The Houwteq facility was established in the 1980s for the previous 'Greensat' satellite program. It served and is still serving as a dedicated satellite Assembly, Integration, and Testing (AIT) facility, comparable to similar facilities worldwide. Located near Grabouw, near the Houwhoek Nature Reserve, it spans an area of over two square kilometres in total.

The existing perimeter fence is showed in Figure 1 below. It is constructed with concrete posts and stainless-steel expanded diamond mesh. It is a double fence, standing 2.4 meters high, with six meters between the outer and inner fence. In the centre of the inner and outer fence, there are three rolls of razor wire. There is also security lights along the fence as well as security pedestrian and vehicle gates.

The purpose of this RFI is to establish and/or obtain information on the scope of work for cost estimation of the rectification/repairs of the perimeter fence and security-related maintenance, e.g. repair/upgrade and/or maintenance of security lighting, as well as security pedestrian and vehicle gates to an appropriate state in order to improve the level of security at the AIT facility.

2. SCOPE OF WORK

All responses should include an Implementation Plan – a detailed breakdown of activities (i.e. statement of work/work scope), estimated timelines and best costing estimates for the actual maintenance and/or repairs of the perimeter fence (including, where applicable warranties and maintenance plan for a minimum of 3 years)

The Implementation Plan needs to cover the following aspects:

- a) Main entrance (Access control) area upgrade

An installation of a motorized gate and requisite fencing in front of the main entrance is required in order to provide an additional security layer as indicated in Figures 1a and 1b below.

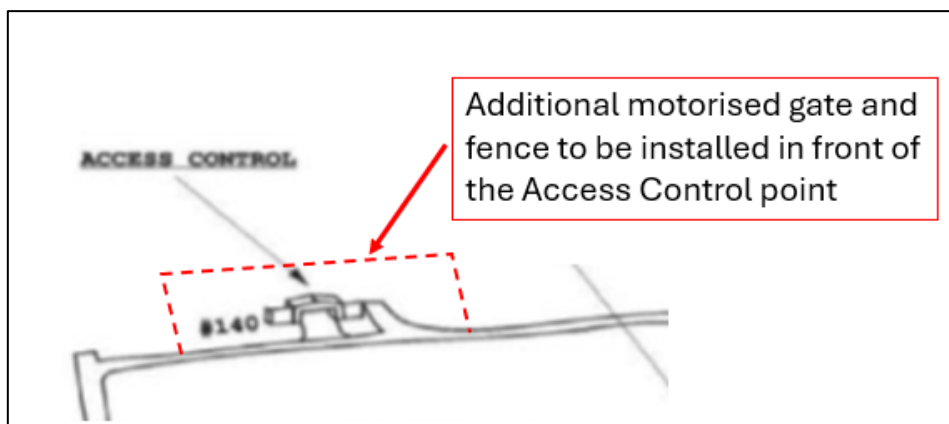


Figure 1a: Main entrance boom gate at Houwteq



Figure 1b: Main entrance boom gate at Houwteq

b) Perimeter fences

Fencing and security-related repairs are required on two sites.

Site A:

All repairs of the inner and outer stainless steel perimeter fences as indicated in Figures 2a-2d below is required.

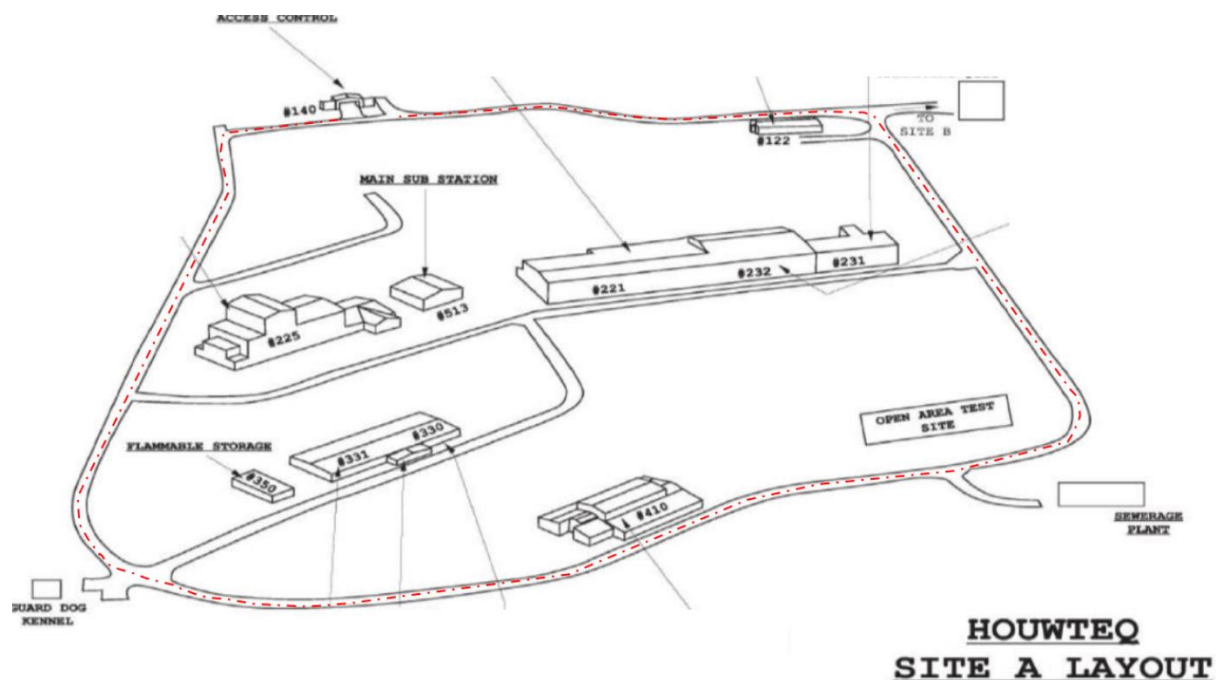


Figure 2a: Houwteq AIT facility Site A - layout of existing perimeter fence

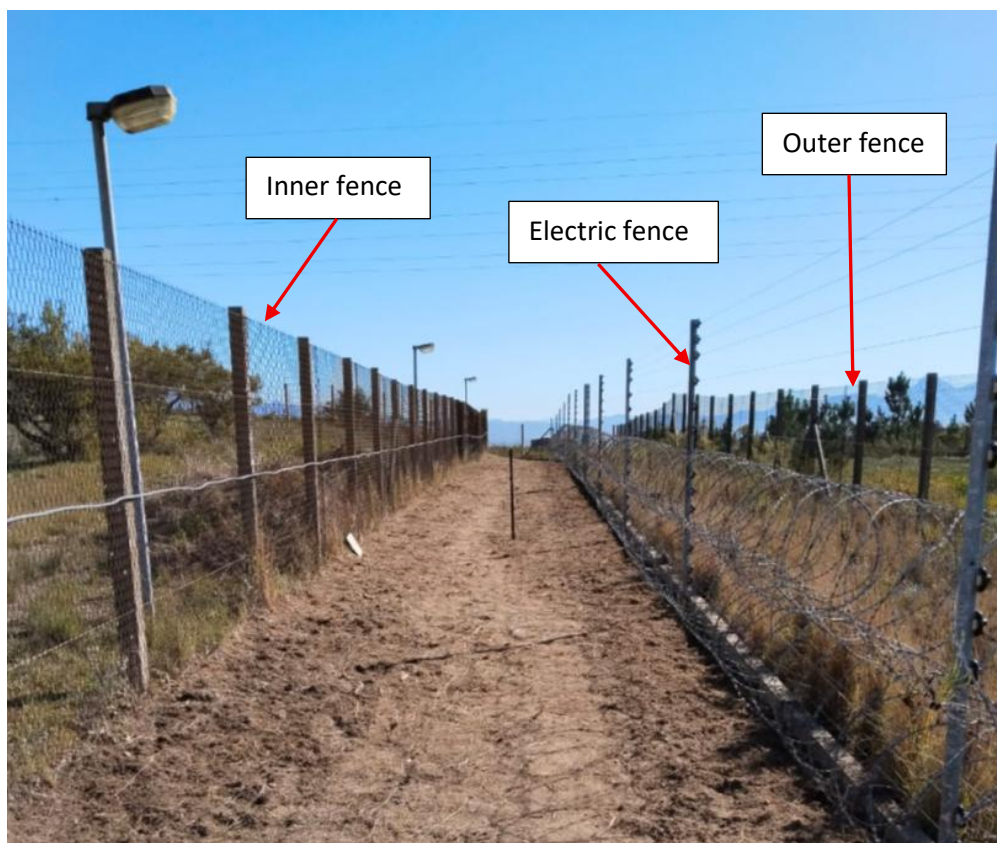


Figure 2b: Perimeter fence at Site A, Houwteq

Site B:

This site is located on the Houwteq campus, approximately 2 km away from Site A. It consists of an inner and outer fence, having swing gates in each. The fence, gates and locking mechanisms require various repairs – refer to Figure 2a and 2b below.

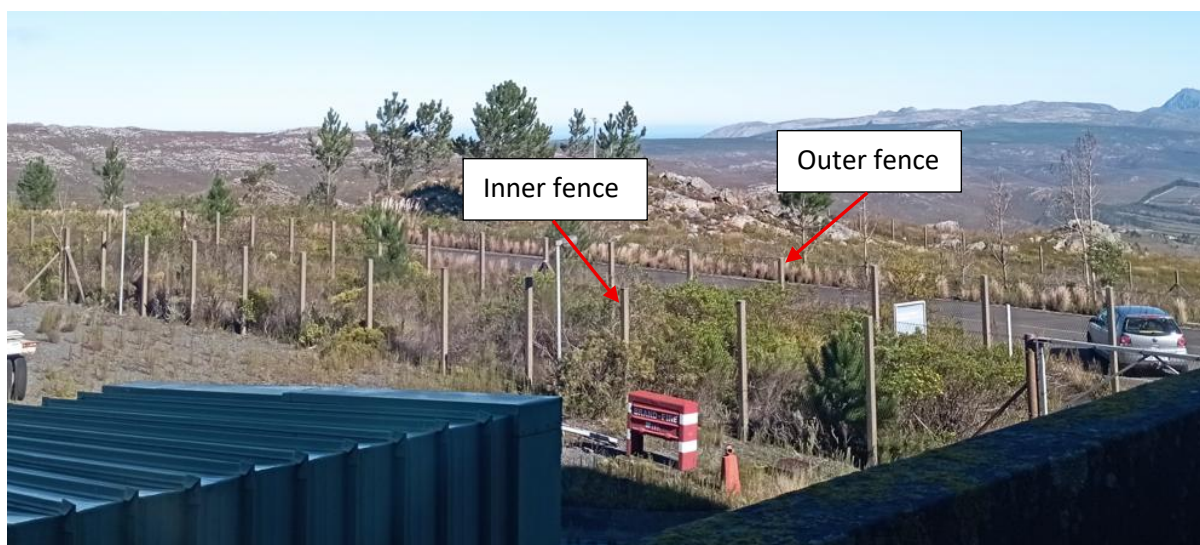


Figure 2c: Perimeter fence at Site B, Houwteq



Figure 2d: Existing gates in the Perimeter fence at Site B, Houwteq

c) Pedestrian gates

There are approximately 20 pedestrian gates located in the perimeter fence. Many of the locking mechanisms do not function, and some are rusted shut. Some of the gates on the inner as well as the outer fence require new locks to be installed with an upgraded locking mechanism. Locks are required to be tested and replaced, with a master set of keys. The pedestrian gates are shown in Figures 3, 4 and 5 below.



Figure 3: Pedestrian gate along perimeter fence at Houwteq



Figure 4: Pedestrian gate along perimeter fence at Houwteq

d) Illumination

The infrastructure intended to illuminate the fence is in place, but the majority of light poles are broken and rusted. Lighting around the premises is provided by multiple fixtures mounted along the fence. This may need to be replaced in its entirety and certified by a competent entity as with all other electrical installations. The Figure 6 below indicates the current state of some of the security lights.



Figure 5: Security lights along perimeter fence at Houwteq

e) Gate motors

An inspection of all motorized gates should be conducted to identify any issues tracks, motors and power supply. Repairs and/or replacement of malfunctioning gate motors should be detailed as part of the Scope of work, including the removal, repair/new motor, replacement and installation, with indicative costing. The gate motors are shown in Figures 7, 8 and 9 below.



Figure 6: Gate motor at Houwteq



Figure 7: Gate motor at Houwteq



Figure 8: Gate motor at Houwteq

f) Rust removal and lubrication

Remove rust from the moving parts of the gates using appropriate rust removal techniques and apply high-quality lubricants to ensure smooth operation of all gate components.

g) Miscellaneous systems, installations and other requirements

- Installation of tamper detection systems that are functional and regularly tested.
- For all electrical-related items, an estimated costing to be provided including material, electrical items, wire and cabling, construction, labour, inspections, COC, etc.
- Establish a regular maintenance schedule to inspect and maintain all gates, including motorized mechanisms and moving parts for the maintenance team onsite

Responses will be accepted as being complete if it includes sufficiently detailed work scopes, associated indicative costing and estimated timelines for all of the following areas:

- a. Main entrance (Access control) area
- b. Perimeter fences
- c. Pedestrian gates
- d. Illumination
- e. Gate motors
- f. Rust removal and lubrication
- g. Miscellaneous systems, installations and other requirements

COMPLIANCE WITH PROTECTION OF PERSONAL INFORMATION ACT, 2013 (ACT NO. 4 OF 2013) ("POPIA")

1. The Constitution guarantees citizens the right to privacy, including the right not to have the privacy of their communications infringed.
2. POPIA aims to promote the protection of privacy through the application of its guiding principles for the processing of personal information in a context-sensitive manner.

Committed to your Privacy

3. SANSA fully comprehends that your personal and company information is valuable to you; your privacy is important to SANSA. SANSA commits to safeguarding and lawfully processing your personal information.

Purpose for Processing your Personal Information

4. SANSA collects, holds, uses and discloses your personal information mainly to provide you with access to its services. SANSA will only process your personal information for a purpose you would reasonably expect, including:
 - Complying with any legal and regulatory requirements such as contract agreements, etc.
 - Confirming, verifying and updating your details.
 - Invoicing or paying you to ensure payment and tax compliance.
5. SANSA may collect your personal information which may include your first name and last name, company name and its registration number, identity numbers, email address, physical or postal address, other contact information, banking details, etc.

Consent to Disclose and Share your Personal Information

6. SANSA may need to share your personal information, with third parties, to provide advice, and/or services. Where SANSA shares your personal information, it will take all reasonable precautions to ensure that the third party will treat your personal information with the same level of protection as required by SANSA.

Request and Access to your Personal Information

7. Should you require further information on this or have any concerns about how your personal information is processed or used, you can contact SANSA's Information Officer: Ms Sibongile Mazibuko on popi_paia@sansa.org.za.
8. You can request access to the personal information SANSA has on you at any time. If you think that SANSA has outdated information, you may request to update or correct it. You can also opt-out and request the removal of your personal information at any time. If there are any lawful reasons for requiring SANSA to retain any information, SANSA will advise so.
9. **PLEASE TAKE NOTE** that your personal information is securely hosted on infrastructure / system managed by SANSA. SANSA assures you that your information will not be shared for any marketing or promotional purposes without your consent.
10. SANSA will continue to manage, monitor, refine and develop policies, processes and systems. This will ensure that SANSA takes every practical and reasonable step(s) to ensure data protection, is in line with POPIA.