



## PRESS RELEASE

Tellumat  
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### **Tellumat showcases life-saving Weapon-Locating Radar at African military expo** Iraq-proven, all-terrain system also has peace-keeping uses for FIFA World Cup events

Tellumat Defence, the defence technology experts in the Tellumat Group, exhibited the battle-tested ARTillery Hunting Radar (ARTHUR) at the Africa Aerospace and Defence Expo last week, in partnership with SAAB of Sweden.

A hi-tech, in-vehicle radar that locates and initiates response to enemy artillery, ARTHUR was developed for the British, Swedish, Norwegian and Danish armies by SAAB. Tellumat has been appointed SAAB's South African radar Partner of Choice.

The ARTHUR, known as MAMBA by the British, is presently in use in Iraq and Afghanistan, in war operations and for the protection of camps. It has been lauded as a 'decisive battle asset' and 'one of *the* most valuable battlefield ground sensors' for its significant achievements in hostile environments, pin-point assessment of impact and launch locations, and best-in-class area coverage. It is said to have saved the lives of numerous soldiers' faced with enemy mortar, rocket and cannon fire.

Colin Meintjes, Tellumat Defence Managing Executive for the group's Northern South African region, says ARTHUR can also be used in peace-time operations, including large events like FIFA World Cup football matches.

"It detects artillery-launched missiles in fractions of a second, determines the place of impact and launch position, and communicates the data to Command & Control – who advises evasive action and initiates interception of the missile or a retaliatory strike." He says ARTHUR's "unforgiving characteristics" have made it a very efficient deterrent.

#### **ARTHUR essentials**

- Detection range
  - Cannons 31 km
  - Mortars 55km
  - Rockets 53km
- Accuracy – 0.1% to 0.25% of projectile range
- Capacity – 100 targets per minute
- Operation – single operator or remote-controlled; in 24x7 operation, three operators and one driver
- Dimensions
  - Weight: 7 000 kilograms
  - Length: 7.07 metres
  - Breadth: 2.02 metres
  - Height: 2.75 metres
- Six-channel communications with Command & Control (C2), other radars, medical contingent, unmanned aerial vehicles (UAVs), etc.
- Vehicle-mounted



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### Benefits

- With eight years in field-and-training scenarios and five years in battle, the ARTHUR is highly mobile and has been hardened to cope with difficult terrains and severe conditions, including tropical and sub-tropical environs, deserts, arctic milieus and high-elevation locations.
- Message handling and communication can handle integration with any C2.
- Easy to maintain, featuring built-in testing and diagnosis of faults, and can be repaired within the hour by swapping line-replaceable units.
- 500 hours Mean Time between Failures and 1 800 hours Mean Time between Critical Failures.
- Simple to use by a single operator, minutes to deploy.
- Can handle multiple incoming projectiles simultaneously.
- Provides early warning.
- Can also detect rocket-propelled grenades and heavy machine gun fire.
- Low side lobes and direction-shifting main lobe – difficult to detect and jam.
- Sequenced transmission shortens transmission time needed to provide full coverage.
- Accuracy relieves munition-carrying logistics and enhances efficiency of UAVs' snooping for detailed counter-targeting.
- Tactical coverage unmatched by any WLR, when operating two or more coordinated WLRs.

Ends.

### About Tellumat

Tellumat is an innovative, black empowered, South African technology company that has achieved a BBBEE Status Level 4 rating, defined as "Superior Contributor to BEE" in terms of the DTI's Codes of Good Practice. It consists of three major trading divisions; Communications, Defence and Contract Manufacturing, and three partly owned companies; SIA Solutions (Pty) Ltd, Encee Engineering (Pty) Ltd and SIMpill (Pty) Ltd. Tellumat services three primary market areas, namely wireless voice and data communications, defence communication systems and high precision electronic and mechanical manufacturing. Tellumat is a world-class business focused on innovation, offering our customers dynamic and competitive technology products and services. We focus on understanding our customers' needs and forming long-term strategic alliances with likeminded enterprises worldwide.

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