



## Press Release

### CHESS DYNAMICS MAMBA PANORAMIC SIGHT DOWN SELECTED FOR AFV REFURBISHMENT

*Extensive desert testing leads to highly capable commander's sight being chosen by Gulf State*

A major Gulf State has down selected the Hawkeye CS, or Mamba, Panoramic Sight from Chess Dynamics for its armoured fighting vehicle refurbishment programme which will include a new turret. Mamba was selected following extensive testing in hostile desert environments.

The Mamba Sight provides the vehicle commander with an optical sensor that is on a par, and in many cases exceeds, the gunner's which makes fighting the vehicle both comfortable and efficient. It is able to detect targets out to 9 km and provide the operator with time to make informed decisions. Its simplicity of operation and quality of image reduces crew fatigue making it an effective add-on for the vehicle's effectiveness.

The compact Mamba sight, which is suitable for a wide variety of armoured vehicles, provides the commander with high quality dynamic and optical performance. Mamba's design features, size, weight, performance, affordability and adaptability mean that it can be located anywhere there is space on the turret. In its current unarmoured configuration, there is no turret intrusion, freeing up additional space for stowage, remote viewers and essential battle management equipment and making the turret ergonomically more efficient to operate.

"The potential order for Mamba could exceed 130 systems with further potential orders in the region as other defence and security forces seek to update their vehicles," said Graham Beall, Managing Director of Chess Dynamics.

“During the lessons learnt process following recent conflicts, the British Army has become very aware of the need for a remote or “indirect” sights as an essential capability for its AFV fleet. Mamba’s design features size, weight, performance, affordability and adaptability mean that it can be located almost anywhere on the turret, making it a serious option for upgrading the capability of AFVs,” he added.

The rugged design and build quality of the single LRU Mamba reduces the mean time between failure (MTBF) intervals to a very low level. Mamba’s common connectors and open architecture allow it to be fitted to most vehicles whose data communications are RS 232/422 compliant. No additional maintenance training is required for Mamba.

The gyro stabilised sight is fitted with a GEN III high performance cooled thermal camera and a HR daylight TV colour zoom camera.

An optional armour package, which provides protection to STANAG 4569 Level 2, includes a separate geared drive, slaved to the panoramic sight, Mamba is able to withstand attack from multiple hits from 7.62 x 51 mm ammunition. This permits almost full scale protection of the object lenses when in operation. At rest, the sensors are ‘parked’ behind the armour affording them full ballistic and environmental protection.

Further technical details on Mamba are available at <http://chess-dynamics.com/products/mamba.html>. An example of the sight will be on display on the Chess Dynamics stand, S8-140, during DSEI 2015.

- Ends -

**Picture**, for high resolution version please contact Mark Broughton



The Chess Dynamics Mamba fitted to an ADVS Desert Chameleon 8X8 during trials carried out three years ago.



The Chess Dynamics Mamba is a rugged panoramic sight which is simple to operate and has an image quality that reduces crew fatigue making it an effective add-on for the vehicle's fightability. It is fitted with both an uncooled thermal camera and a daylight colour zoom camera.

## Notes for Editors

Chess Dynamics ([www.chess-dynamics.com](http://www.chess-dynamics.com)) delivers design, development and manufacturing solutions for land, maritime and airborne applications.

The company's broad expertise covers electro-optical platforms and directors, stabilisation, tracking, satellite communications, radar turntables and COTS military systems.

Chess Dynamics' innovative approach to engineering ensures its products combine enhanced performance with operational reliability while meeting military standards, budgets and short timescales.

Chess Dynamics is the UK's sole independent designer and manufacturer of military standard electro-optical systems, gimballed platforms and positioners for electro-optical, radar and communications applications.

For further information please contact:

Graham Beall  
Managing Director  
Chess Dynamics Ltd  
Tel: +44 (0)1403 249888  
[www.chess-dynamics.com](http://www.chess-dynamics.com)

Mark Broughton  
Marontech Ltd  
Tel: +44 (0)1428 647979  
[mark.broughton@marontech.co.uk](mailto:mark.broughton@marontech.co.uk)