



## Press Release

12<sup>th</sup> September 2017

### **REMOTE LONG RANGE BORDER AND COASTAL SYSTEM LAUNCHED AT DSEI BY CHESS**

*Remotely operated, long range surveillance system on stand S8-140*

Long range coastal and border surveillance is enhanced by the launch of Sigma LEO by Chess Dynamics at DSEI on stand S8-140. Sigma LEO is optimised for remote detection, identification and image/video capture in all types of border and coastal surveillance locations.

Chess Sigma LEO is configured as an intelligent sub system module within a multi node integrated surveillance solution. It employs a simple power and ethernet interface for function control and transmission of images over long ranges by wire, fibre or wireless communication networks.

“Long range vision on borders and coasts is critical for a security force tasked with keeping either an asset such as an offshore platform or a coast line secure. We have developed the Chess Sigma LEO with extended range, video analytics, high reliability and fault tolerance to meet the most stringent remote operation while reducing both operational and support manpower,” said Dave Eldridge, Sales Director of Chess Dynamics

“Together with our colleagues at Vision4ce, a Chess Technologies company, we have developed a system which can automatically analyse imagery and send only altered data back to a command centre many miles away,” added Mr Eldridge. “The system can also self-monitor and, with dual redundancy built in, can complete an element of self-repair, again reducing the need for a person to visit the site for first line repairs.”

The processing unit at the heart of the Chess Sigma LEO has been designed to carry out many tasks, normally done at the command centre, remotely. These include automatic target detection, analysis and tracking; optimising the tracking point and sensor field of view; capture of multiple still images and video recording of both identified and unidentified targets including backup storage; and overall system monitoring.

The Chess Sigma LEO is designed to be sensor agnostic, enabling the user to select the most effective EO sensor configuration for their specific task.

Built into the design is especially high reliability coupled with low maintenance requirements, to minimise the need for staff to travel to the remotely deployed units.

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



An example of the Chess Sigma LEO sensor head with Long Range Thermal Imaging and TV cameras.

## Notes for Editors

### About Chess Dynamics

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, gimbal platforms and positioners for electro-optical, radar and communications applications.

Chess Dynamics is part of Chess Technologies which also includes Vision4ce and Chess Dynamics Inc.

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