



Press Release

12th September 2017

Chess Sea Eagle FCRO Conducts Successful Trials

Full Production naval radar and electro optical fire control system on stand S8-140

Following successful tracking trials earlier this year, the full production standard Sea Eagle FCRO (Fire Control Radar Optical) naval radar and electro optical fire control system is being exhibited by Chess Dynamics at DSEI on Stand No S8-140.

FCRO is the newest member of the Sea Eagle family of systems and combines Weibel's advanced FMCW Doppler radar with Chess' proven EO fire control capability to provide 24-hour, all-weather precision long-range tracking and accurate gunfire control in surface (ASuW), air (AAW) and shore (NGS) engagements.

During the tracking trials of its development system, Chess was able to optimise target discrimination of the radar and harmonise the control of these with operation of the overall fire control system. They also included following outbound small calibre rounds during air tracking trials against a drone where the system was able to record the path of the outbound round while maintaining track of the drone. This feature enables the system to track the closest point of approach for automated spotting corrections for both surface and air engagements.

This trials programme has run concurrently with development of the production platform which has been designed specifically for naval applications. The system will be fully compliant to NATO and international environmental and EMC standards.

Chess will be conducting live firing trials in 2018 using both small and medium calibre guns and sea trials on an Offshore Patrol class vessel.

- Ends -

Picture, for high resolution version please contact Mark Broughton



The Chess Dynamics FCRO has recently conducted successful tracking trials. A full production unit is on display on the Chess stand, S8-140, during DSEI 2017

Notes for Editors

About Chess Dynamics

Chess Dynamics (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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