

Opportunities for applied R&D, industry projects development, prototyping and manufacturing with **CASTRA**

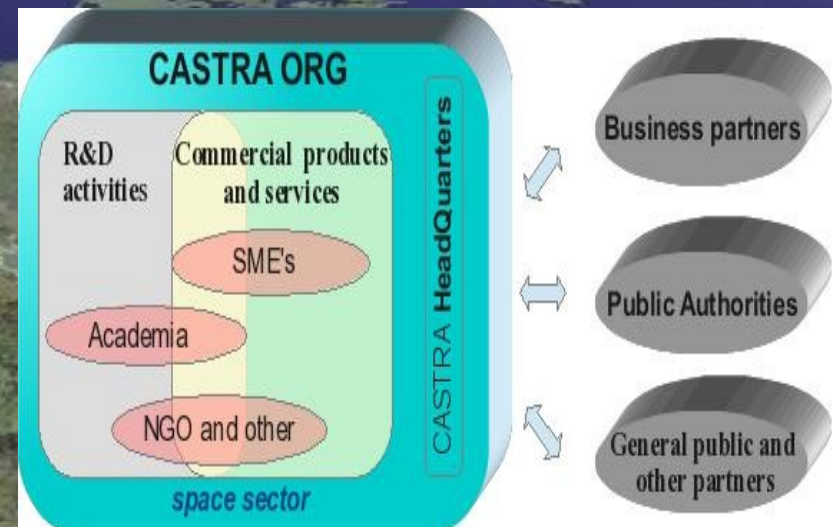
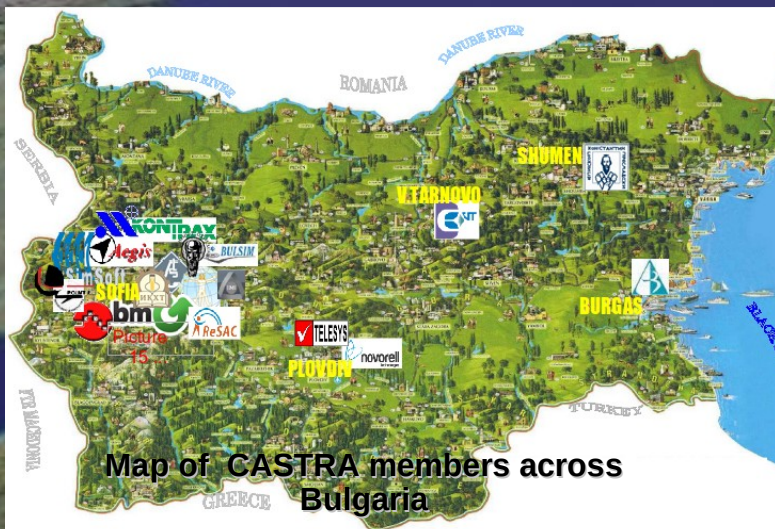
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CASTRA is an independent industry-driven consortia (cluster) of high-tech SME's, academic institutions and other interested stakeholders with expertise and capacity to jointly develop technologies, products and services in the aerospace domain and its applications serving society.

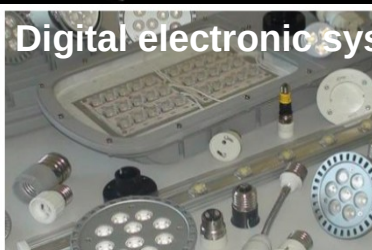
CASTRA's *vision* is to promote the research, innovation, technology and business developments in the aerospace sector to the benefit of society and to act as a major industry player.



"Together we are stronger" - Bulgaria's strategy to success

CASTRA's technology R&D and product expertise examples

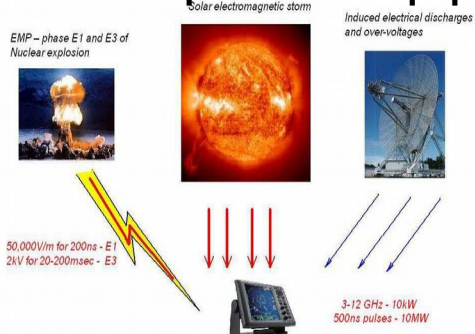
Digital electronic systems



GPS tracking solutions



EMI/EMP protection equipment



Virtual reality and REAL GAMES development



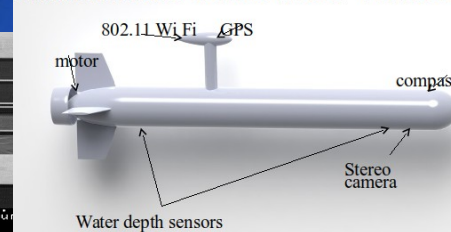
ICT & BigData for space app



UAV systems



Autonomous Underwater Vehicle



Embedded IoT systems



RF design

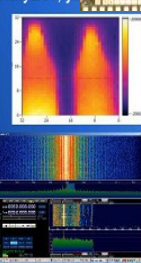
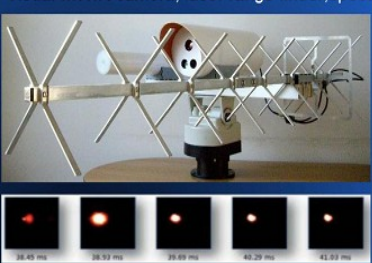


MW Antennas

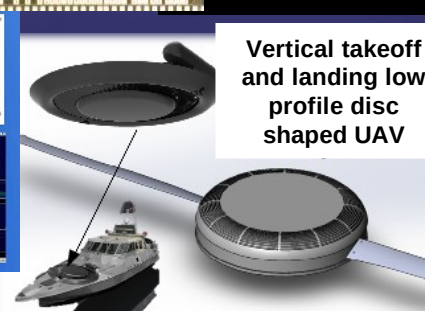


Dron detection and counter measures system

Visual-MWIR camera, laser range finder, spectral analyzer, ja



Vertical takeoff and landing low profile disc shaped UAV



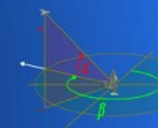
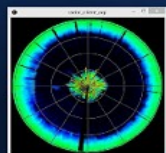
Jet UAV shooting targets



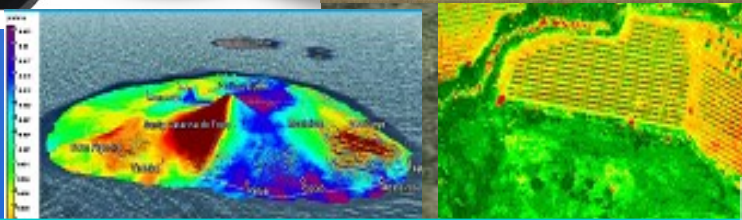
carbon fiber products for automotive, space, robotics consumer



FMCW panoramic radar for drones



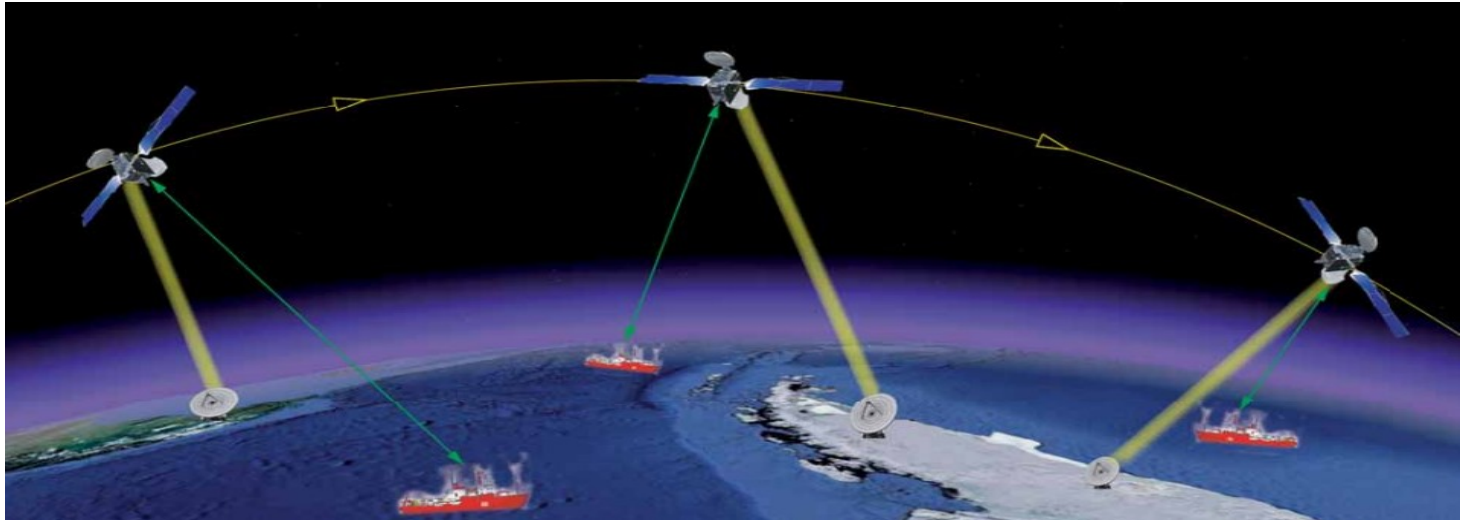
Multispectral and SAR data processing



Design & manufacturing of precision equipment and high-energy systems



Examples of a current satellite ICT project driven by CASTRA PARTNERS are Welcome



**LEO small satellite constellation ICT system for providing store and forward
high-speed data communication services and EO services**