**European Business Innovation & Research Center S.A.** (**EBIC**) (www.ebic.ro) is an SME with the R&D activity, in addition to main business activities in Aeronautics Space Engineering the role in consortium is the Project Coordination and Principal designer, is also the owner of the IPRs of the Active Micro-Shields© System and Method, initially presented at the ESA SURE AO in 2006 in cooperation with IMT-Bucharest as partner for micro- and nano-technology. EBIC is resident in MINATECH-RO Technologic Park-Baneasa, Romania, that is a Nano-Technology Transfer Center created by the IMT-Bucharest with support from ANCS. EUROPEAN BUSINESS INNOVATION & RESEARCH CENTER S.A. is a SME private business research center (its shareholders five founders are Romanians and natural persons and 60% is owned by Simion Dascalu, EC Expert evaluator Aeronautics and Security) and has the registered office is in Bucuresti, Romania.

The main area of activity are: specific consulting and business management in innovation, scientific research and technologic research and its development within the specific programmes of the European Union as FP6 (the appropriate actions for these objectives are: assistance, support, promotion, development, dissemination, and project management of innovation and research results implementation. The second area of activities are: micro-production and very small production of the innovative products, prototypes or demonstrative models within the scientific and innovative research programmes of the EU, in specific programmes financed by EC within FP7 (and next framework program) or direct by EBN Network, who has strategic partnership with ESA for SMEs developments.

EUROPEAN BUSINESS INNOVATION & RESEARCH CENTER S.A., is Member of EBN - the European Business and Innovation Centres Network and as BIC (respectively Business and Innovation Center) as the instrument to assist regional development providing all specific EBN services and activities respectively by the support, promotion and development of local Business and Innovation Centers, the Business Incubators, to set up Small or Medium Sized Enterprises(SMEs) in general and specially for Romanian young peoples and the development of innovative activities within the existing SMEs based on inventions, know-how and new innovative ideas.

EBIC has been developed fully integrated innovative business research organization following the EC guidelines within the BIC initiative, based on the center of excellence principles and the organizational structure is the following: research, design, innovation and business, FP7 Project Management Model. Our private and scientific research activities are in the domains of aeronautics and space engineering and that is working in cooperation with our strategic partners as: Aviation Institute INAV S.A., INCAS, IMT, MINATCH-RO, CYBERNETICS, CHRONOS and RMAERO S.A. within ROMAEROSPACE Competitivity Pole. At the actual stage we have the FP7 project TALOS - 2008 on the Security Research, ended on 31st of May 2012. At national level we have had 3 research projects concluded, one was regarding an UAV project ARGUS XL 2005 with leader INAV was financed by Romanian Space Agency in Security Research Program, ROV UAUV that is an autonomous submarine system, this project coordinated by EBIC with INAV, the Polytechnic University of Bucharest - CCAS, and the University of Bucharest - FGG, a research project financed by ANCS, CEEX programme 2006 and the last one was PN2 TADES 2007, an agriculture research application for remote sensing with a lighter UAS, the project leader was INPT Bucharest, financed also by ANCS.

The areas of research, innovation and business are based on 5 main pillars: aeronautics and space engineering, nano-technology, agriculture and environment, social security, renewable and the alternative energy sources.

Experience with ESA and/or space related projects - SURE AO 2006 the project proposal in cooperation with IMT. ESA/GSA European Satellite Navigation Competition 2010, final list nomination for ESA project proposal (2nd place on ESA's Prague Region) with GNSS Clock Synchronization System for Mobile and Relocated-Networks (Aircraft within ATC), software solution design to perform a real-time synchronization of the aircraft's computer entering the ATC airspace by stand-alone operation mode, assuring clock synchronization with each regional ATC, the research result of FP7 TALOS Security research project, authors Ioan Burda and Simion Dascalu.