

Press Release

**The event marks the completion of manufacturing  
of the European Racer Demonstrator's central fuselage  
made in Romania, by the RoRCraft Consortium  
within the Clean Sky 2 - Fast RotorCraft IADP- RACER program**

The RoRCraft consortium, formed by INCAS - National Institute for Aerospace Research "Elie Carafoli" and ROMAERO S.A. will host on March 15th, 2021, starting at 12:00, at the headquarters of ROMAERO SA, the presentation event of the helicopter fuselage achieved within the RoRCraft project - Rotorcraft fuselage manufacturing for RACER demonstrator.

Together with the main partner in Clean Sky, Airbus Helicopters, and under the coordination of JTI Clean Sky2, RoRCraft consortium finalizing a very important stage in this technological demonstration of maximum complexity. The event marks the completion of manufacturing and preparation for delivery of the central fuselage of the RACER demonstrator, the flagship project of the Clean Sky 2 technological initiative, developed under the coordination of Airbus Helicopters within Clean Sky2 as a next generation aircraft for rescue missions and rapid intervention, in a revolutionary configuration.

The activities completed by the RoRCraft Consortium, within the European partnership, consisted in the conceptual development of the RACER vehicle as a "compound" aircraft, fuselage full design completion, stress and dynamic analysis, as well as the implementation of the test program for flight approval and acceptance of the RACER prototype in 2022. Further more, on a technological industrial level, for the first time in Romania, the first hybrid helicopter- structures for RACER were made, as well as the implementation of manufacturing and the required assembly technologies at ROMAERO SA.

Simultaneously with the activities of RACER, RoRCraft initiated CompAct- a project co-financed under the "Operational Program Competitiveness 2014-2020, Action 1.1.3 - Creating Synergies with RDI actions of the European Union's HORIZON 2020 Framework Program and other international RDI programs, launched in 2016 by the Ministry of Regional Development, Public Administration and European Funds and by the Ministry of Research and Innovation. This call supports synergies with Horizon 2020 and specifically refers to complementary Clean Sky 2 activities in the context of the Memorandum of Understanding signed between the Clean Sky 2 Contracting Authority and the Romanian National Authority for Scientific Research and Innovation -ANCSI (currently the Ministry of Research, Innovation and Digitalization).

RoRCraft is also an element of synergy with PNCDI-3 - subprogram 3.6 Awarding Participation in Horizon 2020 - support project funded by the Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI), which allowed the RoRCraft Consortium to deepen research and train young researchers in the field of design, calculation and testing of composite components. The aim is to increase the efficiency of the results of the European project and the competitiveness of INCAS in order to apply the acquired knowledge into new projects, within the H2020 Program and in the future.

INCAS and ROMAERO S.A. made possible the BLADE demonstrator - the first aircraft based on laminar flow technology in the world, in collaboration with Airbus, developing and manufacturing the laminar wing. We participated together at the inaugural flight in 2017, a world premiere.

By achieving the revolutionary structure of the RACER fuselage and we are looking forward for the first flight, together with our European industrial partners.

