QUALITY AIRCRAFT SINCE 1948 TECNAM H3PS HIGH POWER HIGH SCALABILITY HYBRID

Press Release

TECNAM, BRP-ROTAX AND SIEMENS TEAM UP FOR HYBRID PROPULSION FOR GENERAL AVIATION

The Project selected for Horizon2020 had a Successful Kick-Off Meeting

Last 17th of May 2018, *H3PS* (acronym for "High Power High Scalability Aircraft Hybrid Powertrain") kick off meeting took place in Capua (Italy), at TECNAM headquarters, coordinator of the project. The European Commission and INEA Agency has selected and financed H3PS project among 31 submitted proposals on the call Mobility for Growth (Topic MG-1.4-2016-2017) under HORIZON 2020.

The objective of the project is to put the basis for the development, manufacturing and in-flight test of a parallel hybrid powertrain for General Aviation by the involvement of three European GA market leaders: TECNAM, BRP-ROTAX and SIEMENS. The R&D departments of these three innovative European companies, will join their experience to present a concrete performing alternative to state-of-the-art propulsion that will dramatically reduce environmental impact of today's General Aviation four seats aircraft.

Through the project's kick off meeting, participants discussed the status of the research area, project goals, and expectations of the different stakeholders with respect to the project outcome.

Fabio Russo, Head of R&D and Product Development of TECNAM and Project Manager of *H3PS*_, explains the expected impact from *H3PS*_: *"We are excited to contribute with H3PS project to the main EU challenges in transportation sector, particularly leadership position of its aeronautics industry and reliable and sustainable air transport system. The project will allow broadening the horizons of knowledge in the field of parallel hybrid propulsion systems. By developing electrical components, including a parallel hybrid drive system for GA segment, the project will introduce the most advanced technologies for all-electric aircraft and thus stimulating innovation. Together with other Research and Innovation Actions funded under H2020 umbrella and focused on development of different hybrid configuration, European aircraft and propulsion leaders will play an essential role both on conventional aircraft efficiency growth as well as on future and most innovative configurations"*

ABOUT H3PS

H3PS (acronym for "High Power High Scalability Aircraft Hybrid Powertrain") is a project funded under the European Union Horizon 2020 research and innovation programme, Grant Agreement No 769392 Three aviation companies will work together: TECNAM, BRP-ROTAX and SIEMENS. Start date of project: May 1st, 2018 (36 months duration). The project will allow broadening the horizons of knowledge in the field of parallel hybrid propulsion systems. By developing electrical components, including a parallel hybrid drive system for GA segment, the project will introduce the most advanced technologies for all-electric aircraft and thus stimulating innovation in the sector.

www.h3ps.eu

ABOUT TECNAM

TECNAM traces its roots back to the activities of the Italian brothers Luigi and Giovanni Pascale, who developed and produced innovative aircraft soon after the end of WWII (1948) and have continued ever since to create original models that gained worldwide recognition under the name Partenavia. Established in March 1986, Costruzioni Aeronautiche TECNAM now operates in three production facilities. The Casoria facility is located adjacent to Naples Capodichino Airport. The Capua facility is located adjacent to the "Oreste Salomone" Airport. Recently a new facility was established in Sebring, Florida, USA and in Australia to serve and support the needs of Tecnam local owners and operators.

www.tecnam.com

ABOUT BRP-ROTAX

BRP-ROTAX GmbH & Co KG, a subsidiary of BRP Inc., located in Gunskirchen, Austria is a leader in the development and production of innovative 4- and 2-stroke high performance Rotax engines for BRP products such as Ski-Doo and Lynx snowmobiles, Sea-Doo watercraft, Can-Am all-terrain, side-by-side vehicles and Can-Am Spyder lineup as well for motorcycles, karts, ultra-light and light aircraft. In the last 50 years, the company has developed more than 350 engine models for recreational vehicles and produced over 7 million engines.

www.rotax.com www.flyrotax.com

ABOUT SIEMENS

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide.

www.siemens.com.

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