

## **VoltAero and IDS will cooperate on technologies to develop hybrid-electric aircraft solutions, with the involvement of Siemens PLM Software**

**Le Bourget, France, June 21, 2019** – VoltAero and Ingegneria Dei Sistemi (IDS) are to jointly pursue technology development for more-electric aircraft in the areas of hybrid powertrains and electromagnetic engineering for avionics applications, with support from Siemens PLM Software.

This industrial cooperation reflects the growing importance of new electrical power and digital technologies as the air transport industry responds to the multiple challenges of environmental sustainability, energy savings and reduction of noise and pollution.

One of the cooperation's goals is to provide technical expertise for VoltAero's development of its Cassio hybrid-electric aircraft, which currently is under development and initial configuration flight testing from the start-up company's headquarters at France's Royan-Médis Airport.

IDS, based in Pisa, Italy, will bring its extensive certification know-how in the EMI/EMC (electromagnetic engineering/electromagnetic interference) environment, smart avionics application software, as well as virtual and physical testing on product development and certification with Siemens PLM Software.

Looking to the longer-term, IDS and VoltAero foresee further cooperation opportunities on digital and hybrid-power applications in a range of other industries, including the automotive sector – where IDS and Siemens have already begun to develop new innovative solutions.

"The IDS experience in worldwide research and development initiatives spans 30 years, providing valuable contributions to VoltAero's vision of the future for electrical energy power and digital aircraft," said Jean Botti, VoltAero's CEO and Corporate Technical Officer. "We look forward to benefitting from the company's leadership – particularly in matters of electromagnetic science."

### **About IDS Ingegneria Dei Sistemi S.p.A.**

IDS Ingegneria Dei Sistemi S.p.A. ([www.idscorporation.com](http://www.idscorporation.com)) is an independent engineering and systems technologies company, providing research, innovation and products in the unmanned, radar, electromagnetic, communications and air navigation fields, for both civilian and defense applications. Since 1980 IDS has specialized in providing consulting services for high-tech engineering projects, and in developing integrated software solutions and measurement systems. IDS is an international company with over 600 professional employees. Its headquarters are in Pisa, Italy, with subsidiary companies in Australia, United Kingdom, Canada, Brazil and South Korea. The company has six business: the Air Navigation Division, the Electromagnetic Engineering Division, the Aeronautical and Unmanned Systems Division, the Security & Defence Division, Railways & Safety Division and SATCOM Division. Proprietary software tools are developed, documented and maintained according to ISO 9001:2015, and in the case of the Aeronautical and Unmanned Systems Division AS/EN 9100:2016, ESA and Defence Administration quality and security standards.

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### **About VoltAero**

VoltAero ([www.voltaero.aero](http://www.voltaero.aero)) is taking electric aircraft to an entirely new level. Benefitting from 10 years of pioneering expertise, VoltAero is developing a truly unique general aviation airplane, Cassio, with a distributed hybrid-electric propulsion system for safe, quiet, efficient and eco-friendly flight. Cassio utilizes a combination of electric motors and an internal combustion engine in a "push-pull" configuration. A flight demonstrator, along with a ground-based "iron bird" system test rig, are validate VoltAero's hybrid configuration, de-risking it for airworthiness certification and the subsequent application on a new-production airplane to be built using strong, lightweight composite materials.

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