

PRESS RELEASE**Safran signs an agreement with Diamond Aircraft to provide the motor for eDA40 electric aircraft**

AERO Friedrichshafen, Germany – April 27, 2022

Safran Electrical & Power, world leader in aircraft electrical systems, and Diamond Aircraft, amongst the leading aircraft manufacturer in general aviation, have just announced a cooperation agreement to equip the eDA40 all-electric training aircraft with an ENGINEUS™ electric smart motor.

Safran Electrical & Power will supply the electric motor for the eDA40, a derivative of the existing and certified DA40 platform, which will be the first EASA/FAA Part 23 certified electric airplane with Direct Current (DC) fast charging –capable of turning around a depleted aircraft in under 20 minutes. Total flight time is expected to be up to 90 minutes as the battery technologies evolve. The eDA40 is expected to reduce operating costs by up to 40% compared to traditional piston aircraft.

The ENGINEUS™ product line includes a broad range of electric motors with power outputs from single digit to 500 kW. The ENGINEUS™ 100, that will equip the eDA40, delivers 130 kW maximum at take-off power and features a fully integrated motor controller within the machine. The thermal management is provided by an optimized air-cooling system. The certification of the electric motor is planned for mid-2023. Basic EASA certification for the eDA40 is expected with end of 2023/early 2024.

“The DA40 is a proven aircraft, arousing worldwide interest among private pilots and professional flight training operators. Creating an electric version and participating in the electrification of this best seller aircraft is not only a technical challenge, but it is also a response to the growing global demand to decarbonize aviation using electric propulsion. This new contract demonstrates the success of our ENGINEUS™ product line and confirms the strong interest of the market in our approach to further increase the electric powertrain performance”, said Thierry Sieg, Vice President of Sales & Marketing at Safran Electrical & Power.

“We are excited to announce the motor partner for the eDA40,” says Liqun (Frank) Zhang, CEO Diamond Aircraft Industries Austria. *“With Safran we are having an expert partner for electric propulsion systems aboard. The smart motor’s state-of-the-art technology including smart features paired with a well-advanced certification process is the logic choice for our eDA40. We are looking forward to the first flights scheduled for end 2022.”*

Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defense and space markets. Its core purpose is to contribute to a safer, more sustainable world, where air transport is more environmentally friendly, comfortable and accessible. Safran has a global presence, with 76,800 employees and sales of 15.3 billion euros in 2021, and holds, alone or in partnership, world or regional leadership positions in its core markets.

Safran is listed on the Euronext Paris stock exchange and is part of the CAC 40 and Euro Stoxx 50 indices.

Safran Electrical & Power is one of the world's leaders in aircraft electrical systems. The company is a key player in equipment electrification and in the electric and hybrid propulsion sector. It has 11,500 employees across 13 different countries.

For more information: www.safran-group.com



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Diamond Aircraft, headquartered in Austria with facilities in Canada and China, is amongst the leading aircraft manufacturer in General Aviation. Founded in 1981, Diamond has pioneered many aviation firsts and achieved numerous milestones and industry expert accolades. Today, Diamond Aircraft has more than 1,000 employees worldwide and offers the most complete range of certified piston aircraft models: from the 2 seat single DA20 to the stunning 7 seat DA62. With its complete line of piston aircraft including a dedicated flight training concept with Single Engine Piston (DA40 NG, DA40XLT) and Multi Engine Piston (DA42-VI, DA42-L360) trainers, along with type-specific flight training simulators and proprietary engines, Diamond Aircraft is the only sole source provider in the fleet training market. Diamond Aircraft also made a footprint in the special mission market with the remote sensing turnkey solutions DA42 MPP and DA62 MPP and the soon to be certified aerobatic turboprop tandem trainer series DART. Diamond Aircraft uses proprietary lead-free jet fuel piston engines, made by Austro Engine GmbH (a 100% subsidiary of Diamond Aircraft Austria), for the DA40NG, DA42-VI and DA62. Every one of Diamond's aircraft shares a common DNA, incorporating leading edge technology, not for the sake of innovation, but for superior performance, efficiency and safety. Over 5,000 Diamond airplanes are flown by private pilots, professional flight training operators and institutions worldwide.

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