

Senior to be part of Conscious Aerospace led HAPSS Consortium to deliver innovative hydrogen fuel cell powertrain

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Senior plc (“Senior” or the “Group”), an international manufacturer of high technology components and systems, is today announcing that it has joined the Conscious Aerospace-led Hydrogen Aircraft Powertrain and Storage System (“HAPSS”) consortium.

HAPSS is the largest project within the Dutch Government led ‘Luchtvaart in Transitie’ (Aviation in Transition) programme and is focused on the accelerated introduction of next generation, sustainable aviation solutions. The programme focuses on the development of breakthrough technologies for fuel efficient and zero-emissions aircraft development, along with associated long-term research and adjacent activities.

The HAPSS consortium has received confirmation of €73m of funding from the Dutch National Growth Fund via the Dutch Ministry of Infrastructure and Water Management. HAPSS aims to fly a fully certifiable zero emissions liquid hydrogen propulsion system and will retro-fit a Dash 8-300 regional aircraft with its pioneering hydrogen fuel cell propulsion system.

Senior will participate in the HAPSS consortium through the, recently opened, Senior Innovation Centre in South Wales.

Senior will be a key consortium partner, particularly within the HAPSS’ Thermal Management System sub-group, applying its fluid conveyance and thermal management (“FCTM”) expertise to design, develop and manufacture the innovative heat exchanger and fluid conveyance products required to cool the entire propulsion system.

Being part of the HAPSS consortium further demonstrates Senior’s Purpose to helping engineer the transition to a sustainable world for the benefit of all our stakeholders.

Launie Fleming, President of Aerospace Division, Senior plc said:

“Senior offers pivotal technologies for environmental efficiency and emissions reductions. The HAPSS project is an excellent opportunity for Senior to push boundaries and deliver an innovative Thermal Management System solution for this ground-breaking zero emissions aircraft. We look forward to contributing to the consortium and collaborating with Conscious and the other parties involved.”

Erik Geertsema, CEO of Conscious Aerospace said:

“We welcome Senior as a consortium partner to design and produce the high-end thermal management components needed for our retrofit aircraft. With decades of experience in fluid conveyance and thermal management, Senior has established itself as a reliable specialist delivering to Original Equipment Manufacturers. International collaboration like this brings us one step closer to emission free aviation.”

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For further information, please contact:

Senior plc

Gulshen Patel, Director of IR and Corporate Communications

+44 (0) 1923 714 722

FGS Global

Richard Webster-Smith

+44 (0) 7796 708 551

About Conscious Aerospace

Conscious Aerospace is a Dutch aerospace company, pioneering the path toward clean, scalable, and certified hydrogen-powered flight. The company leads a European consortium developing the technology for Hydrogen Aircraft Powertrain and Storage Systems (HAPSS). Combining proven engineering expertise with a pioneering drive toward zero-emission flight, Conscious Aerospace bridges today's aviation with the future of sustainable flight. In 2025, the HAPSS consortium was awarded €73 million in LiT (Luchtvaart in Transitie) funding, awarded by the Dutch government to accelerate the transition toward sustainable aviation.

As one of only a few companies of its kind with an EASA Innovation Partnership Contract (IPC), Conscious Aerospace works closely with regulators, OEMs, airlines, and energy partners to ensure hydrogen propulsion meets the highest safety, certification, and performance standards. Learn more at www.consciousaerospace.com

About Senior

Senior is a FTSE 250 international engineering and manufacturing Group with operations in 12 countries. It is listed on the main market of the London Stock Exchange (symbol SNR). Senior's Purpose is "we help engineer the transition to a sustainable world for the benefit of all our stakeholders". Senior designs and manufactures high technology components and systems for the principal original producers in the worldwide aerospace & defence, land vehicle and power & energy markets. Further information on Senior plc may be found at www.seniorplc.com