JADE Engineering and Singapore Polytechnic Launch Flammability Test Lab in Singapore

SINGAPORE, 26 September 2024 — JADE Engineering (JADE), a leading provider of aircraft cabin solutions and a subsidiary of SIA Engineering Company Limited (SIAEC), in partnership with Singapore Polytechnic (SP), proudly launched its new Flammability Test Lab. This facility represents a pivotal step forward for aviation safety in the Asia-Pacific (APAC) region and is set to drive future advancements in fire safety testing.

Located within Block T18A of SP's Aero Hub Facility, the Flammability Test Lab is designed to meet the evolving needs of the aviation industry. Outfitted with specialised testing equipment, the lab offers flammability testing services in accordance with the Federal Aviation Administration (FAA) guidelines. In the near future, JADE also plans to use the laboratory for Civil Aviation Authority of Singapore (CAAS) and European Union Aviation Safety Agency (EASA) certification programmes.

Positioning Singapore as a Regional Hub for Aviation Safety

The Flammability Test Lab will not only serve the immediate needs of the APAC region but is also poised to become a global leader in aviation material safety testing and certification. As the aviation industry seeks new ways to meet increasingly stringent safety regulations, the lab will provide the necessary infrastructure and expertise to test and certify fire-resistant materials for aircraft interiors, paving the way for safer and more sustainable cabin designs.

"The opening of this lab signals JADE's long-term vision of making Singapore a centre of excellence for aviation safety and innovation. This new lab is more than just a testing facility — it's a platform for continuous development and collaboration," said Dr Desmond Ong, General Manager at JADE Engineering.

"As the aviation sector adapts to new safety challenges, we are committed to evolving our capabilities and working closely with our partners to stay at the forefront of innovation. Together with SP, JADE aims to shape the future of fire safety testing of aircraft interiors and beyond. We anticipate greater collaboration amongst industry, government and academia to push the boundaries of what's possible in aerospace safety and certification," Dr Ong added.

Fostering Future Talent and Technological Innovation

A key aspect of this collaboration is the joint focus on developing the next generation of aerospace engineers and researchers. SP will provide students and researchers with direct access to the lab's cutting-edge technology, fostering hands-on experience in real-world testing scenarios. By combining academic research with industry insights, this partnership aims to drive breakthroughs in flammability testing methodologies and material innovations.

"Through this partnership, our students can access cutting-edge technologies and real-world industry experience," said Mr Liew Hui Sing, Specialist (Aerospace), SP. "We are dedicated to developing the next generation of aviation leaders who will drive innovation. The Flammability Test Lab provides an invaluable platform for both education and research, solidifying our partnership with JADE."

Future Development Plans

Looking ahead, JADE Engineering and SP are already exploring opportunities to further expand the lab's scope beyond aviation, addressing growing demand from sectors such as automotive, maritime and construction, all of which are increasingly focusing on fire safety requirements of materials. The lab's advanced equipment and technical expertise make it ideally suited to become a multidisciplinary hub for fire safety testing in the APAC region.

The Flammability Test Lab is not expected to have a material impact on the net tangible assets per share or the earnings per share of the SIAEC Group for the financial year ending 31 March 2025. None of the Directors and controlling shareholders of SIAEC has any interest, direct or indirect, in the transaction, other than through their shareholdings (if any) in SIAEC.

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About JADE Engineering (https://jamco-jade.com)
JADE Engineering is a prominent provider of aircraft cabin solutions, specializing in the refurbishment, modification, and integration of cabin interiors. Based in Singapore, JADE Engineering has established a reputation for delivering innovative, high-quality solutions to airlines and operators worldwide.

About Singapore Polytechnic (https://www.sp.edu.sg/sp/about-sp/media/media-enquiries/boiler-plate)
Established in 1954, Singapore Polytechnic (SP) is Singapore's first polytechnic. It has 10 schools that offer 500 full-time diploma courses and four common entry programmes for more than 16,000 students. SP adopts a proven creative teaching and learning framework and offers students a holistic, authentic and industry-relevant curriculum, innovative and vibrant learning spaces, and enriching overseas programmes. The Polytechnic is committed to producing competent and versatile graduates who are also imbued with sound values so that they can be work-ready, life-ready and world-ready

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