



Sprintex Limited
ABN: 38 106 337 599

ASX: SIX

ASX RELEASE

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Project Update Report

Summary:

- **e-Compressor samples delivered to Aeristech**
- **Orders received from customer for 5kW fuel cell compressor design and customised industrial blower programmes**
- **Build of first production-ready version of axial flow industrial blower to be completed by end of July**
- **Waste-water aeration system to be displayed at major environmental equipment exhibition in July**
- **Patented S15i 3kW compressor platform to be released in July**
- **July efficiency upgrade to 25kW fuel cell compressor**
- **6kW HVAC compressor initial CFD design for Aeristech completed**
- **Market feasibility and viability study for automotive and domestic HVAC systems underway**
- **First deliveries of supercharger systems for the Jeep Wrangler JK, JL and JT variants completed in June with scaleup in July 2022**
- **Development of Toyota Tacoma supercharger system is well advanced**

Sprintex Limited (ASX: SIX) (**Sprintex** or the **Company**), is pleased to provide an update on its projects.

Project updates:

- Samples of 6kW, 10kW and 25kW e-Compressors have been delivered to Aeristech, with some products having been provided to end customers for applications including air compressor in fuel cell systems and HVAC compressors for battery cooling. The Sprintex and Aeristech engineering teams are currently in technical discussions to prepare further durability tests to be carried out in July. All 30 initial samples will be delivered to Aeristech per the Sprintex Aeristech agreement, by the end of August 2022.
- Purchase order received for a new 5kW fuel cell compressor project. Product design is now accepted and Sprintex will deliver 5 initial samples to customer for this program in July. customer has paid CNY 350,000 (~A\$33,000) for the aerodynamics design and 5 initial sample units to be manufactured by Sprintex.
- Purchase order received from Aeristech for an industrial blower system featuring Sprintex mixed-flow e-compressor design. The CNY 140,000 (~A\$31,000) industrial blower system is expected to deliver the first demonstrator to Aeristech UK in July, where it will be installed with Aeristech's own motor and motor inverter.

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- Sprintex will complete the build of the first production-ready version of an axial flow industrial e-compressor by end of July. This will utilise a Sprintex patented axial flow e-compressor, powered by a customised high-speed 3 phase motor convertor, delivering over 98% efficiency.
- A waste-water aeration e-compressor set will be delivered to Nanjing RGE by the end of June for marketing purposes, specifically to be displayed at a major environmental equipment exhibition in July.
- RGE will pay the customisation (deposit) fee of CNY 500,000 to Sprintex once the unit has demonstrated its basic function and performance, in accordance with the Nanjing RGE agreement. RGE has also confirmed market demand for small e-compressors from 3kW to 10kW, for their modular water aeration systems.
- Sprintex will release its patented S15i 3kW e-compressor platform in July.

This platform features highly efficient air-cooled motor and integrated controller and weighs just 3kg to 3.5kg (dependent on specification and application). Variant models are compatible to both 48-80V DC input and three phase AC input.

The DC version from 1.5kW to 3kW (constant shaft power) has applications in fuel cells for forklift trucks and light commercial vehicles. With an additional plug and play control, this DC version can also be used as an electric supercharger for aftermarket performance in smaller capacity internal combustion engines with applications in the automotive industry and agricultural industry, such as pollen blowing and seed separation.

The AC version from 3kW to 4kW (constant shaft power) will be used a general-purpose e-compressor for water aeration, clean air delivery, hot drying (food processing etc) and vacuum devices. The AC version will offer optional remote-control function, operated via mobile phones.

Sprintex has received significant customer interest in this new product range.

- Sprintex's 25kW fuel cell compressor will be upgraded in July utilising a Sprintex in-house motor design and highly customised motor controller. Sprintex will provide samples to fuel cell manufacturers in August 2022.
- 6kW HVAC (heating, ventilation and air conditioning) e-compressor initial design for Aeristech has been completed. Feedback from Aeristech is very positive.

The design incorporates a 150,000rpm ultra-high-speed two stage compressor assembly that can reach a Coefficient of Performance (COP) of 3.0 for 60°C temperature difference between the condenser and evaporator of a heat pump system, which is capable of heating domestic hot water during winter.

While Sprintex is in collaboration with Aeristech, Sprintex will also have its own motor design and customised AC inverter for heat pump systems (as the Sprintex industrial e-compressor does), offering Sprintex the opportunity to enter the heat hump market, in the event Sprintex can validate the market feasibility and viability.

- Sprintex's automotive performance division has successfully delivered the first of its generation 2 supercharger systems for the Jeep Wrangler JK, JL and JT variants (from 2012-2022) during the month of June. The Company expects to scale up to full production of this product range during July of 2022.
- Development of the Toyota Tacoma supercharger system is well advanced. A new design that shares many common components with the Company's Jeep systems has allowed the system to be developed with lower design, tooling and production costs, enhancing potential for improved



margins on both Jeep and Toyota Tacoma systems, based on economies of scale in the production of common components for these two programs.

The Toyota Tacoma system is expected to be launched at the SEMA Automotive convention in November of 2022.

Managing Director Comments:

Jay Upton, Sprintex Limited’s Managing Director, said “Our projects are tracking well and we are looking forward to delivering on our numerous programmes.”

This ASX announcement was authorised for release by the Board of Sprintex Limited.

For further information

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About Sprintex

Sprintex is a clean air compressor engineering, research, product development and manufacturing company, incorporated in Australia in 2003. Sprintex designs and manufactures electric and mechanically driven clean air compressors for use in a wide variety of applications, including:

- combustion engines where Sprintex sells Sprintex® twin screw superchargers, and supercharger systems incorporating the Sprintex® twin screw supercharger, in the automotive aftermarket and original equipment manufacturer (OEM) market in Australia, Asia, Africa, the Middle East and the United States of America;
- hydrogen fuel cells, which require a constant flow of oxygen rich air; and
- industrial oil-free clean air applications, including wastewater treatment.

Forward Looking Statements

Statements regarding plans with respect to the Sprintex projects and products are forward looking statements. There can be no assurance that the Sprintex plans for its projects or products will proceed as expected and there can be no assurance of future sales.