



ASX Announcement

CODE: SRJ

7 September 2021

SRJ to develop hydrogen compatible pipe technology

Highlights

- **SRJ partners up with Curtin University and SixDe to build Hydrogen products**
- **Opportunities to patent the new Hydrogen coupling technologies**
- **Hydrogen technology will play a significant role in low-carbon energy systems**
- **New products will assist SRJ provide solutions to major companies entering the energy transition cycle and generate future opportunities to derive revenue**

SRJ Technologies (ASX:SRJ; "SRJ" of "the Company") is pleased to announce its partnering with Curtin University (Corrosion Centre) and SixDe Pty Ltd to develop hydrogen compatible pipe technology.

The project is anticipated to commence in Q4 this year with completion Q1 2023.

This proposed project focuses on the proof of concept and manufacturing commercialisation of a new weld-free coupling technology for pipelines to meet the requirements of the emerging hydrogen industry. This would eliminate the need for welding of pipeline joins, thereby mitigating the occurrence of hydrogen embrittlement or weld cracking. This project will also explore the further enhancement of manufacturing materials and processes with specific application to hydrogen.

The IP generated is relevant not only to this specific product component but could also extend to further applications for the hydrogen energy industry.

SRJ Australia has identified opportunities to patent the new coupling technologies and the associated manufacturing processes for hydrogen applications. The lab work and testing activities for material compatibility and performance (undertaken by Curtin University) will have applicability to further extend research within the materials field (metallurgical and polymeric), to foster innovation by industry in hydrogen energy.

In the future, hydrogen will play a significant role in low-carbon energy systems. This has highlighted challenges with regard to the transport of hydrogen gas and other hydrogen-bearing compounds, which has been shown in some circumstances to cause hydrogen embrittlement or cracking in the welds of transmissions pipelines.

As global economies increasingly look to incorporate progressively higher proportions of renewables as a part of their energy mix, demand for infrastructure and services that support the efficient

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storage and transport of hydrogen is a growth area. The future market potential is significant, with hydrogen predicted to provide up to 18% of the world's energy demand by 2050.

SRJ's CEO, Alexander Wood, said "We are delighted to have secured a leading university and manufacturing partner to assist us with our hydrogen technology. Undertaking this project enables SRJ to work alongside major companies during the energy transition cycle and generate future opportunities to derive revenue from the new technology".

- Ends -

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This announcement has been authorised for release by the Chief Executive Officer.

ABOUT SRJ TECHNOLOGIES

SRJ Technologies provides specialised engineering services and containment management solutions, elevating customer's integrity management performance.

We see real value in offering a wider range of asset integrity consulting services helping our customers to better understand the operational risks and where best to focus resource to minimise these risks.

SRJ's range of industry accredited products are designed to maintain and assure the integrity of pressure containment systems and therefore play an important role in the overall integrity of operating facilities.

Using pre-qualified service providers and manufacturers local to customer, SRJ is geolocation-flexible and able to deliver a range of high quality, agile and cost-conscious solutions globally.

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