

SOR Autonomous Robotics Technology Update

Perth, Australia, 1st May 2020 – Strategic Elements Ltd (ASX:SOR), a Pooled Development Fund with a mandate to back Australian innovation, is pleased to provide an update on the Company's Autonomous Robotic Vehicle development through 100% owned 'Stealth Technologies'.

Autonomous Security Vehicle

The Company is pleased to announce that assembly of the **Autonomous Robotic Security Vehicle** being developed in collaboration with **USD 100B Company 'Honeywell'** has largely been **completed** and **testing** is expected to commence in May at a highly secured facility in Perth, Western Australia.

The Autonomous Robotic Security Vehicle being developed under collaboration with Honeywell is the **first** product to be developed from Stealth Technologies autonomous robotics technology **platform**.

Autonomous Robotics Technology Platform

A significant point of difference with the underlying Stealth technology platform is that it has been designed from the ground up to be used in **outdoor** environments. This makes it particularly well suited to sectors such as security, agriculture and mining.

The Stealth technology has been developed to meet the extra requirements of an autonomous robotic vehicle operating under external conditions such as:

- **Uneven ground conditions**
- **High temperatures**
- **Dust, rain and moisture**
- **Isolated networks with no connectivity**
- **Longer run times**
- **Faster charging requirements**

Practical examples of this include:

Significant additional development required to ensure components such as sensors, robotic actuators, batteries and computers housed and mounted to the vehicle are shock absorbed and designed to withstand harsh and variable weather conditions.

Significant additional development required to enable the Stealth operating system to localise and navigate the vehicle autonomously in external terrains that have a limited amount of distinct features. For comparison, internal and urban environments have distinctive man made features which enable easier localisation and navigation.

Critical Infrastructure Protection Opportunity

With the global Corona Virus pandemic impacting countries the world over, governments continue to focus their communications on the importance of protecting the critical infrastructure that provides essential services such as energy, communications, water, transport, health, food, banking and finance to their populations. The shutdown of these critical infrastructure facilities would affect hundreds of thousands of people.

Without adequate physical security, these operations are at risk of intrusion and sabotage. Robotics, artificial intelligence and automation will provide an important, increased role in servicing these critical infrastructure facilities providing a significant potential commercial opportunity for Stealth Technologies.

According to industry reports the global CIP (Critical Infrastructure Protection) market is expected to grow to \$153.16 billion by 2022.

Stealth - Autonomous Robotics Platform

The Company is applying for multiple additional **patent** applications over intellectual property derived from its recent development work. The technology platform incorporates:

- **StealthOS** software and computer vision
- **Stealth AutoDrive** for autonomous vehicle control
- **Stealth Customised Robotics** to automate specific physical actions

Company Comment

Managing Director Charles Murphy said “We are extremely pleased that the collaborative Autonomous Security Vehicle work with Honeywell is moving to the testing phase as it is the first product developed from our technology platform. We do see critical infrastructure as a large potential market right here in Australia and our agreement with Honeywell enables us to market a security product directly to sectors such as energy, mining and communications. Our focus however in the short term is squarely on the successful delivery of the Autonomous Security Vehicle to Honeywell. We also continue to develop the underlying autonomous robotics technology platform and the approx. \$500,000 in recent government funding to the joint UWA/Stealth Project will pay for a team of four UWA researchers to assist in increasing the pace of these developments. Again as with the Honeywell agreement, we hold the right to the IP developed”.

About Strategic Elements Ltd

The Australian Federal Government has registered Strategic Elements as a Pooled Development Fund with a mandate to back Australian innovation. Strategic Elements operates as a ‘venture builder’ where it generates high risk-high reward ventures and projects from combining teams of leading scientists or innovators in the technology or resources sectors. Most investors in SOR pay no tax on capital gains from selling their SOR shares as the Company operates under a Federal Government program setup to encourage investment into innovation. The Company is listed on the ASX under the code “SOR”. More information on the Pooled Development Program should be read on the Company’s website at www.strategicelements.com.au

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This announcement was authorised for release by Strategic Elements’ Board of Directors.

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