

16 October 2019

## SMX files two patent applications covering its Equilibrium Economy

- Two patent applications filed in the USA (file numbers: 62/913,548 and 62/915,132) covering the use of SMX's disruptive mark and trace technology under its Equilibrium Economy business model
- The Equilibrium Economy business model is about balancing the use of both recycled and raw materials in the economy with environmental protection at its core. This will enable all companies and industries to meet the growth and demands of the market whilst being committed to sustainability in a measurable, credible and tangible way
- SMX's Equilibrium Economy model operates across the three product life cycles and is focused on driving sustainability, reducing carbon emissions and maximising efficiency of the recycling process
- These patent applications represent a significant milestone for SMX as they illustrate the wider commercial application of SMX's mark and trace technology and its limitless capacity to connect multiple B2B companies across different sectors and industries on a unified and transparent, environmentally sustainable ecosystem

**Security Matters Limited (ASX: SMX)** ('Security Matters' or the 'Company'), a product lifecycle, supply chain integrity and asset tracking blockchain technology company, focused on becoming the global record of all physical goods with an Equilibrium Economy sustainability model is delighted to announce it has lodged two patent applications in the USA covering the use of its technology within its Equilibrium Economy business model and the specific processes pertaining to its recycling offering.

The patent applications were filed with the US Patent Office under serial numbers 62/913,548 and 62/915,132. The patents cover the use of SMX's disruptive mark and trace technology under its Equilibrium Economy business model, which operates at a molecular level across the three product life cycles; raw material to production; production to commercial applications; and commercial applications to recycling and reuse.

More specifically, the patents cover SMX's Equilibrium Economy when used within the plastics, agriculture, electronics, fashion and resources sectors, and the ways in which the Company streamlines the separation process of materials during chemical and mechanical recycling. This in turn drives sustainability, reduces carbon emissions and maximises efficiency of the entire recycling process.

This represents a significant milestone for the Company's growth as it transforms SMX's technological offering of marking, reading and lodging information on the blockchain into a commercial application that connects digital capabilities with physical applications, and has the ability to connect multiple B2B companies through a virtual ecosystem of production.

### Hagai Alon, Founder and CEO comments:

"The lodgement of these patents is significant for us and our growth as it demonstrates how we are leveraging the capabilities of our technology to unite the physical and digital world with one virtual currency. Our Equilibrium Economy model enables stakeholders from all facets of the production line

to use a unified digital platform that drives sustainability, efficiency and maximum growth for each player involved.”

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**About Security Matters Limited**

Security Matters has commenced the commercialisation of its unique, patented technology that uses a hidden chemical-based ‘barcode’ to permanently and irrevocably ‘mark’ any object, be it solid, liquid or gas. The barcode is read using the company’s unique ‘reader’ to access the corresponding stored data, recorded and protected using blockchain technology.

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