



Magnis Resources
L I M I T E D

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Agreement Signed With SIEMENS

- Agreement covers the Imperium3 battery plants
- Collaboration will start with forming an executive core group that would lead business as well as technical activities starting with the New York battery plant
- Siemens, a world leader in lithium-ion battery factory digitisation and automation, will identify resources to develop a clearly-defined functional specification for the use of industry software and automation technology for in-line integration of the plant

Magnis Resources Limited [“Magnis” or the “Company”] [ASX: MNS] is pleased to announce the signing of a Letter of Intent [LOI] with Siemens to collaborate with Magnis and Charge CCCV [C4V] to enhance its lithium-ion manufacturing technology via synchronous approach of digitisation and automation.

This collaboration would be extended to all Imperium3 projects, starting with New York. Siemens will play a major role in the factory digitisation, automation and in-line manufacturing technology for the next generation of lithium-ion battery plants. Under the agreement, Siemens will identify resources at their expense to develop a clearly defined functional specification for the use of Siemens industry software and automation solutions, and to provide the benefit of technology standards to help build next generation manufacturing plants - the digital enterprise for battery production.

Siemens Digital Factory Division, U.S. President Raj Batra commented: “We are genuinely excited to be involved in the Imperium3 battery plants. We were very impressed by the progress being made in New York to date and we believe this is one of the most advanced upcoming battery projects worldwide. As a technology leader, Siemens’ portfolio of software-based systems, automation and drive technologies span the entire value chain. Our collaborative efforts and digital know-how with Magnis and C4V will strongly shape and grow the battery market globally.”

Magnis’ Chairman Frank Poullas commented: “We continue to validate the quality of our projects, our strategy to eliminate manufacturing risk one step at a time and our technology with quality partners and they don’t get any bigger than Siemens. To have a global powerhouse in Siemens showing its commitment to what we are doing is huge validation to our exciting project in New York.”

“With Cobalt prices hitting above US\$80,000t our cathode technology will be a game changer in the marketplace and this is something that is becoming evident with OEM’s we are meeting and the partners like Siemens and Celgard who are getting involved in our projects.”



Figure 1 – Huron Campus, the proposed location of the Imperium3 New York lithium-ion battery plant

About Siemens

Siemens AG [Berlin and Munich] is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalisation.

One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT.

In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

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