**Hyperganic, Strata and EOS to Jointly Build World's Most Efficient Residential Air Conditioner That Uses 10 Times Less Energy At Same Price Point**

***The industry partnership supports UAE's 'Energy Strategy 2050' and targets the UN climate change conference in 2023 to introduce project updates***

**Abu Dhabi, United Arab Emirates, 28 June 2022** – Hyperganic, an AI-based engineering platform company with offices in Germany and Singapore, today announced that it is partnering with Strata Manufacturing, a UAE-based Advanced Manufacturing Company, and EOS, the leading supplier for responsible manufacturing solutions via industrial 3D printing technology, to build the world's most efficient residential Air Conditioner (A/C) system.

The International Energy Agency projects that energy demand for air conditioners will triple by 2050 — equivalent to adding 10 new devices every second for the next 28 years. Even today, A/C units account for 20% of global electricity usage.

The strategic alliance between the three companies will help solve this environmental challenge through advanced engineering and digital manufacturing.

The partners will combine Hyperganic's Algorithmic Engineering approach with the industrial metal 3D printing process pioneered by EOS, and Strata's implementation of digital production lines. The targeted result will be a residential A/C unit that is not only 10 times more efficient, but can be sold cost-competitive compared to conventional A/C units.

With sustainability as the focal point of the collaboration, the companies plan to show project updates at the United Nations Framework Convention on Climate Change (UNFCCC) COP28 to be hosted in the UAE in 2023.

The three partners sealed the collaboration today at an official signing ceremony witnessed by H.E. Dr. Sultan Ahmed Al Jaber, United Arab Emirates Minister of Industry and Advanced Technology and H.E. Sara Al Amiri, United Arab Emirates Minister of State for Public Education and Advanced Technology.

Hyperganic used the event to announce the opening of its Dubai Engineering Office at the beginning of July. Hyperganic’s UAE team, which is expected to grow to 20 engineers by the end of 2022, will work closely with Strata's team in Abu Dhabi and the EOS team on the implementation of the project.

On the occasion of the signing, H.E. Dr Sultan Al Jaber said: “In line with the directives of our leadership to support and develop the national industrial sector, the Ministry of Industry and Advanced Technology aims to develop a national industrial ecosystem able to create the kind of partnerships that develop and manufacture innovative local products. This exciting new technology is an ideal example of innovation driving sustainable development and creating a positive economic impact.”

He added: “The partnership between Hyperganic, EOS and Strata demonstrates how the UAE’s manufacturing sector can develop and launch homegrown products that are globally competitive and cater to demand in domestic and international markets. The development of competitive, marketable products is facilitated by an ecosystem of enablers, incentives and unique advantages that will empower the growth of the UAE’s industrial sector and deliver a positive impact on the national economy.”

H.E. Sara Al Amiri, Minister of State for Public Education and Future Technology, said: "This positive partnership represents a great addition to the UAE’s industrial ecosystem and reaffirms MoIAT’s role in attracting global partnerships, especially industrial partnerships between UAE companies and global, innovative companies that deploy advanced technology and 4IR solutions. The partnership is in line with the leadership's vision of transforming the UAE into a global hub for industries that rely on advanced technology."

"Our mission at Hyperganic is to use technology to help solve humanity's toughest challenges,” said Lin Kayser, CEO and Founder of Hyperganic. "The UAE is a melting pot of the world's best talent, and the country's vision for the future is refreshingly clear in today's world. When we came to the UAE, we found alignment on goals, brilliant people, and the right partners. I couldn't imagine a more suitable place to collaborate on this important project."

"At EOS, we are purpose-driven. Sustainability and responsible manufacturing lies at the heart of our company," said Dr. Hans J. Langer, industrial 3D-printing pioneer and founder of EOS. "This project can only succeed when engineering and manufacturing are deeply integrated. We will engage with our UAE-based partners to significantly advance the state-of-the-art of technology further."

Ismail Ali Abdulla, CEO of Strata, said: “This partnership is an inspiring model for industrial pioneers in terms of benefiting from the nation's attractive industrial environment and the advantages and capabilities provided by the UAE, which stimulate partnerships based on innovation, creativity and expansion in modern industrial sectors.

Here, I must commend MoIAT's role, which crafted a conducive environment for investments and building partnerships, especially through the Make in the Emirates campaign; an open invitation for investors, manufacturers and innovators to invest in the UAE's industrial sector. "

He added, "Through this project, we will work with Hyperganic and EOS on building the advanced technological manufacturing processes necessary for the product's success. This partnership is a real leap for Strata, which is based on investing in 4IR technologies and building new avenues for industry. This aligns with Strata's strategy for advanced industries and helps realize the national vision for developing the industrial sector and conducting partnerships based on innovative solutions.”

**About Hyperganic**

The Hyperganic Group, incorporated in 2017, is a global deep technology software company with offices in Munich, Singapore, China and Dubai. Hyperganic radically redefines engineering to help improve the future of humanity. The company's software platform creates parts, structures and entire machines through computer algorithms and AI, and enables mass production in digital factories using industrial 3D printing. Hyperganic is working with leading companies and research organizations in the U.S., Europe, and Asia, in a broad variety of fields. For more information, visit www.hyperganic.com.

**About EOS**

EOS provides responsible manufacturing solutions via industrial 3D printing technology to manufacturers around the world. Connecting high quality production efficiency with its pioneering innovation and sustainable practices, the independent company formed in 1989 will shape the future of manufacturing. Powered by its platform-driven digital value network of machines and a holistic portfolio of services, materials and processes, EOS is deeply committed to fulfilling its customers' needs and acting responsibly for our planet. For more information, visit www.eos.info.

**About Strata**

Strata Manufacturing PJSC (Strata) is an advanced manufacturing facility based in the heart of Nibras Al Ain Aerospace, Al Ain, United Arab Emirates. The company was established in 2009, with production beginning in 2010. Strata has partnerships with the world's leading aircraft manufacturers such as Airbus, Boeing and Leonardo-Finmeccanica Aero-structures Division as well as a supplier to Pilatus, SAAB and S.A.B.C.A. For more information, visit www.strata.ae.

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