

## Press Release

### HERAEUS ELECTRO-NITE JOINS AI START-UP SMART STEEL TECHNOLOGIES

- Heraeus becomes largest shareholder in Smart Steel Technologies (SST)
- SST complements the Heraeus Electro-Nite's activities in the steel industry
- Software makes production process in the steel industry more efficient

Hanau/Berlin, Feb. 14, 2023 - The world's leading supplier of sensors for molten metals, Heraeus Electro-Nite, is expanding its expertise in artificial intelligence (AI) and AI-based process optimization. The company is joining the Berlin-based start-up Smart Steel Technologies via the Heraeus Group, becoming its largest shareholder.

"Artificial intelligence and optimization of production processes are becoming increasingly important in the steel industry, too. AI solutions increase efficiency, sustainability and quality standards along the entire process chain. With Smart Steel Technologies, we have a competent partner at our side, with whose software we will further improve production processes in steel mills," said Jan Rinnert, CEO of Heraeus Holding and Chairman of the Management Board.

"At Heraeus Electro-Nite, we look forward to working with SST and strongly believe in the potential of both companies to leverage each other's capabilities and reach. SST will further advance the digital capabilities of our products and together we can provide an even better and more comprehensive service to our customers," said Heraeus Electro-Nite CEO Martin Ackermann, who will join SST's board.

"The Heraeus Group is a very strong partner for SST. We are looking forward to the joint cooperation and valuable synergies, as well as innovations for the steel industry that will be enabled by the partnership," said Falk-Florian Henrich, Founder & CEO of Smart Steel Technologies.

Smart Steel Technologies supplies AI-based software packages to the steel industry. Across all production steps, these calculate specifications in real-time to optimize energy use and quality. Examples include even more precise composition of steel chemistry and optimal process control in steel mills, in the continuous casting process and in rolling mills.

Steel producers can thus operate their plants even more efficiently, safely and in a more environmentally friendly way. Smart Steel Technologies' customers include groups such as ArcelorMittal and Vallourec. One of the most complex challenges in steel production is the synchronized production planning of an entire chain of aggregates and production lines. Here, too, Smart Steel Technologies offers solutions that use artificial intelligence and mathematical modeling to calculate optimized production schedules. For this, the Berlin-based company relies on an interdisciplinary team of AI and steel experts, software engineers, mathematicians and physicists.

The use of AI has brought enormous progress in many industries in recent years. The topics of energy saving and efficiency have also come into focus in the steel industry. AI solutions offer several advantages for the steel industry, such as increased output and product quality as well as lower production costs and CO2 emissions.

### **About Heraeus**

The Heraeus Group is a broadly diversified and globally leading technology and family-owned company headquartered in Hanau, Germany. The company's roots go back to a pharmacy operated by the family since 1660. Today, Heraeus combines a variety of businesses in the fields of environment, electronics, healthcare and industrial applications. Customers benefit from innovative technologies and solutions based on broad-based materials expertise and technology leadership.

In fiscal 2021, the FORTUNE Global 500-listed group generated total revenues of 29.5 billion euros and employs around 16,200 people in 40 countries. Heraeus is one of the top 10 family-owned companies in Germany and holds a leading position in its global sales markets.

### **About Heraeus Electro-Nite**

Heraeus Electro-Nite is the world's most important supplier of measurement technology and sampling from molten metals. The portfolio includes disposable and continuous sensors, samplers perfectly tailored to the respective application, as well as hardware and software for complete the system technology. The company also takes a leading position in the further development of its products, constantly improving and expanding potential applications with the aim of always guaranteeing its customers state-of-the-art measurement technology.

### **About Smart Steel Technologies**

Smart Steel Technologies is the world's leading software company delivering AI-based software solutions to the steel industry. SST has extensive AI and steel expertise. As a result, SST helps steelmakers save energy, reduce CO2 emissions and improve quality even further. Steel mills in Europe, North and South America are already successfully using SST software in production.

Smart Steel Technologies has its headquarters in Berlin and a branch office in Cincinnati, Ohio.

Heraeus



**Media contact Heraeus**

Till Weber

Senior Manager External Communications

Phone number DE: +49 (0) 176 1784 2875

E-mail: [till.weber@heraeus.com](mailto:till.weber@heraeus.com)

**Media contact Smart Steel Technologies**

Jacqueline Peintinger

Sales & Marketing Manager

Phone number DE: +49 (0) 176 211 510 72

Phone number US: +1 (0) 630 940 5527

E-mail: [jacqueline.peintinger@smart-steel-technologies.com](mailto:jacqueline.peintinger@smart-steel-technologies.com)