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Morgenrot Inc.

Morgenrot and Kajima Enter into Capital and Business alliance **- Aiming to utilize big data in the field of civil engineering and construction**

Morgenrot Inc. (Head Office: Tokyo, Chiyoda-ku, CEO: Hirotaka Inoue) and Kajima Construction Corp. (Head Office: Tokyo, Minato-ku, President: Hiromasa Amano) have entered into a capital and business alliance. Morgenrot will collaborate with Kajima to develop solutions based on GPU computing technology powered by renewable energy for the utilization of big data in the field of civil engineering and construction.

With the mission of "creating infrastructure for a digital society with green computing power", Morgenrot has been providing distributed computing power and cloud rendering services that utilize renewable energy. We also developed GPU based cutting-edge image analysis technology platform in collaboration with various research institutes, which is applicable to high speed big data processing.

Distributed processing technology with GPU-based systems is effective in fields such as advanced and high-speed fluid analysis and visualization of massive high-definition data, and is highly expected to solve problems in the construction field in the future. Morgenrot will apply these computing resources and GPU based technologies to develop solutions for big data utilization in the field of civil engineering and construction.

■ Taking advantage of this capital and business alliance, promote the utilization of big data in the field of civil engineering and construction with Kajima

Kajima has been promoting the digitization of operations with the aim of building next-generation construction manufacturing systems in order to respond to the expected shortage of construction workers and to realize work style reforms.

In the future, as remote sensing technology advances, the amount of data that can be acquired will increase. Large-scale data is difficult to process on a cloud server through

a network due to communication speed bottle neck, and high-speed computing requires a solution that makes full use of distributed processing technology and GPU's parallel computing power.

This capital and business alliance was based on the fact that Kajima felt the potential of Morgenrot's distributed processing technology and GPU utilization know-how, and that Morgenrot's future focus of big data utilization in the civil engineering and construction field was taken into consideration. Both companies entered into a partnership because both agreed to develop advanced solutions in the field.

Morgenrot aims to contribute to realization of carbon neutrality through offering distributed data centers powered by renewable energy. We collaborate with all industrial partners, universities and research institutes in the field of AI and big data utilization in order to create infrastructure for a digital society that is friendly to people and the earth.

If you are interested in high performance computing solutions powered by renewable energy, and big data processing utilizing GPU, please contact us.
contact@morgenrot.net

■ About Morgenrot

With the mission of "creating infrastructure for a digital society with green computing power," Morgenrot is building green data centers around the world that utilize renewable energy and surplus electricity. With distributed processing technology as the core technology, we will provide computing power to cutting-edge companies in the optimal form, and create infrastructure for a digital society that is friendly to people and the earth.

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