

Press release

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Financing new infrastructure-building techniques

Romande Energie investing in Hyperion Robotics to speed up energy transition and grid infrastructure modernisation

The Romande Energie Group is dedicated to driving the energy transition in Western Switzerland. In line with this commitment, it today announces an investment in Hyperion Robotics to finance development of construction solutions for use in the foundations of pylons and other grid structures. Hyperion specialises in the production of low-carbon infrastructure components.

Developing high-performance, sustainable infrastructure has become a pivotal task to meet the rising demand for electrification. Hyperion's response has been to develop an innovative industrial-scale approach to infrastructure components that is based around 3D printing and physical AI. Hyperion integrates its own proprietary software, advanced materials and automated robotics systems to produce reinforced concrete solutions for use in connection with power grids and data centres.

The solutions rely on industrial-scale production using robotic microfactories located near to worksites – which allows for faster, more flexible and more efficient production of the components needed in the infrastructure. By basing the microfactories close to clients' operations, Hyperion helps simplify logistics and can accelerate the construction and commissioning of energy infrastructure projects.

Carbon emissions up to 70% lower

Hyperion's business model aims to reduce the carbon emissions arising from concrete production by 70%, to use 75% less materials and to reduce programme times by up to a factor of three. Hyperion has a reputation for combining efficiency, sustainability and flexible designs that comply with regulatory standards. Its proprietary design library contains blueprints for optimising the use of concrete and steel and guaranteeing a structural performance that matches and, in some cases, even surpasses industry standards.

By investing in Hyperion, Romande Energie is championing the development of innovative solutions that will lead to a faster and more effective roll-out of grid infrastructure as part of its wider commitment to the energy transition.

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Romande Energie at a glance

A multi-service energy provider and Western Switzerland's leading supplier of electricity, the Romande Energie Group is defined by a clear commitment to making its home region the first in the country to reach net zero. Guided by the three sustainability pillars, the Group aims to reduce its own greenhouse gas emissions and to support all customers as they advance their own energy transition.

To achieve this, it is investing significantly in the energy transition, both by strengthening and maintaining a safe, high-quality electricity grid, and by developing and optimising its portfolio of local, renewable generation assets. The Romande Energie Group offers innovative solutions and renovation programmes designed to accelerate the energy transition within the built environment.

As a responsible corporate citizen, the Group is helping to build a sustainable economy. Supporting the people of Western Switzerland as they embrace a sustainable future is its core purpose.

For more information on the Romande Energie Group, visit www.romande-energie.ch

Hyperion Robotics at a glance

Founded in 2020 and headquartered in Espoo, Hyperion Robotics delivers low-carbon foundations that cost less, install faster and cut embodied carbon by up to 70%. Using large-scale additive manufacturing and localised robotic microfactories, it replaces traditional, labour-intensive concrete processes with a cleaner, faster alternative - using up to 75% less material and reducing programme times by up to 3x.

For more information, visit www.hyperionrobotics.com