

Yinson GreenTech's chargEV Collaborates with eLoaded to Revolutionise EV Charging Infrastructure Through Cutting-Edge DC Grid Technology

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chargEV, a leading charge point operator, announced an exclusive collaboration with eLoaded, a leading developer and operator in direct current (“DC”) grid technology. The collaboration sees eLoaded’s cutting-edge DC grid systems with chargEV’s expansive charging network, paving the way for faster, more efficient, and sustainable EV charging solutions.

eLoaded’s advanced DC grid technology optimises energy distribution, while the strategic integration of shared expertise will allow both companies to maximise the potential of this innovative system. Through this collaboration, chargEV’s fast charging hub will benefit from eLoaded’s advanced DC grid technology, future-proofing its EV charging infrastructure by enhancing their reliability and ensuring the highest performance during peak charge times. The advanced DC grid technology optimises energy distribution, ensuring adequate and consistent energy delivery is supplied to meet the demands of the designated charging hubs. It has the potential to support large-scale charging at up to 6.3MW while reducing energy transmission losses by up to 30%. This is in line with Malaysia’s transition towards a greener economy and its long-term vision for sustainable development, as outlined in the National Energy Transition Roadmap (“NETR”) to achieve net zero emissions target by 2050.



Seng Teong Chua, Managing Director of chargEV, signs collaboration agreement with Frank Steinbacher, Chief Executive Officer of eLoaded.

Another key element of this collaboration is the exchange of expertise and knowledge, whereby chargEV and eLoaded are fostering mutual growth and innovation.

“eLoaded’s DC grid technology is a game-changer for the EV industry,” said Seng Teong Chua, Managing Director of chargEV. “Our collaboration brings together the best in charging solutions and power optimisation to our fast-charging hubs. This will enable a seamless, efficient, and sustainable network that meets the demands of modern EV drivers. By sharing expertise and leveraging our collective strengths, we’re not just deploying advanced technology—we’re shaping the future of EV charging infrastructure.”

“We’re excited to collaborate with chargEV to set a new standard for EV charging infrastructure,” said Frank Steinbacher, Chief Executive Officer of eLoaded. “This partnership showcases the versatility of our DC grid technology, extending its applications beyond data centres and industrial operations to revolutionise charging infrastructure as well.”

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ABOUT YINSON GREENTECH

“From land to sea, with an ecosystem for all, we spark a movement we call Positively Charged.”

Yinson GreenTech energises the electric transition across diverse industries. We invest in fusing cutting-edge technologies with clean energy solutions, fostering a collaborative ecosystem that empowers businesses and communities to achieve their net-zero ambitions. At the heart of our strategy lies a robust digital backbone that seamlessly integrates our green solutions, optimises operations, and unlocks superior efficiency. This sets us apart by enabling data-driven decision-making and intelligent automation.

We put electrified transport into the hands of everyday users through our five businesses:

- chargEV – Leading charge point operator with an extensive EV-charging station network for public and private usage
- marinEV – Pioneering the development of fully electric vessels for crew transfers and light cargo transfers
- drivEV – Empowering enterprises and businesses with electric fleet solutions
- rydeEV – Electrifying the micro-mobility space with electric two-wheelers (E2Ws), including battery-swapping technology and fast charging solutions
- digitalEV – Enabling seamless software support and integration for sustainable technologies across Yinson GreenTech’s businesses

We are a business of Yinson Holdings Berhad, a global energy infrastructure and technology company active in offshore energy with Yinson Production, renewable energy with Yinson Renewables, green technologies with Yinson GreenTech, sustainable investment and asset management with Farosson, and offshore marine with Regulus Offshore.

For more information about us, please visit ygt.yinson.com.

ABOUT ELOADED

eLoaded GmbH is a German-Austrian technology company has grown since 2017 as the leading developer and operator of DC-grids up to 1500VDC in the world. The DC platform solution is not only hosting the largest charging infrastructure sites in the world, it will also power the largest indoor, real-estate DC-grid in the world within the BMW World in Munich and is furthermore found in the context of industrial operation like production plants, energy storage solutions or public infrastructure like bus or airfield operations.

Several OEMs rely on the proven and most flexible to scale-up megawatt power charging technology. Flexibility and efficiency in power distribution are driving our electric infrastructure design in future. More and more high-power DC energy producers and consumers are facing our public grids and leading the shift to DC-grid solutions. Next to the Best Available Technique Accreditation for energy efficiency, flexibility and safety, eLoaded was awarded the German Design Award 2023 and the German Innovation Award in Gold, 2024. The design of megawatt energy infrastructure by eLoaded has not only become a milestone in power distribution potential but also in simplicity of design, construction and operation.

The field of hardware and software technology and development is covering:

- DC-grid design
- DC-grid wiring, connection and protection measures
- DC chargers
- DC lighting
- DC heating and chilling
- DC storage solutions
- DC drives and frequency inverters
- DC connectors
- DC energy management
- DC operation
- DC maintenance
- The high flexibility in hard- and software solution is guaranteeing the technology potentials for infrastructure, real estate, industrial and mobile applications.

For more information about us, please visit www.eloaded.eu

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