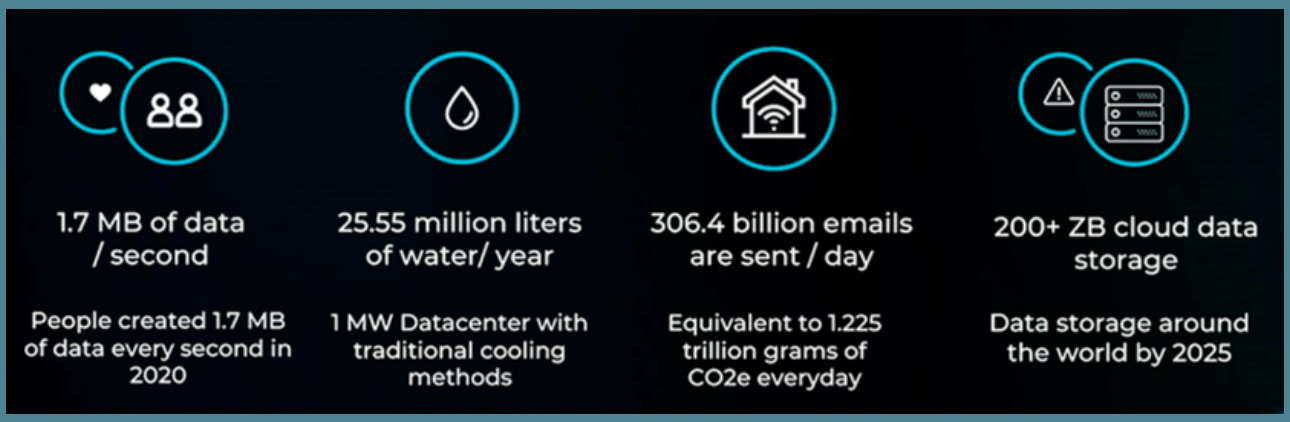
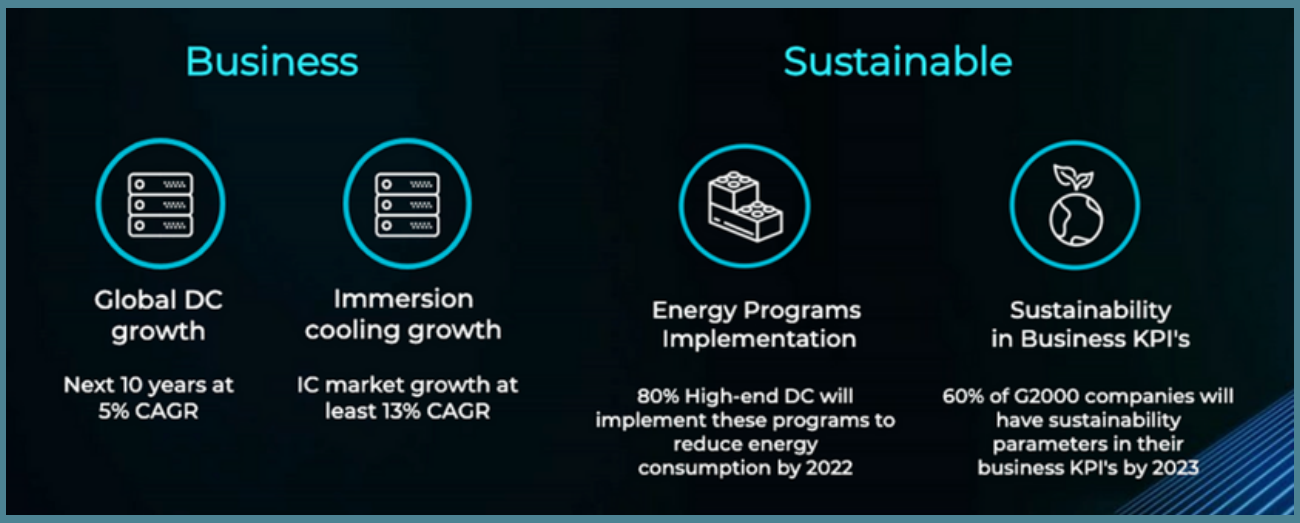
GREEN CLOUD GROUP

SUSTAINABLE EMERGING TECH

Data centers are essential, constantly growing to keep up with evolving technologies, like cloud computing, hyperscale and 5G wireless networks, to name just a few. This evolution makes sustainability, cost effectiveness and reliable operation more important than ever



As the datacenter industry grows, so does its impact on the environment. The trend towards digitalisation of many of our day-to-day tasks and our increased use of video streaming services, smartphones and video calling has lead to astronomical growth in the amount of data we produce. The need for change has never been higher than it is today.



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As governments around the world become aware of the environmental impact of data centers, many companies are looking for solutions that deliver tangible results and help achieve their goals.

And we are ready to help them with this. Our strategic goal is to provide our customers fully sustainable, cost-effective modular data centers with reduced energy consumption and emission

Total immersion cooling not only cools servers more efficiently than air ,but it also drastically minimizes a datacenter's reliance on complex, expensive HVAC (Heating, ventilation and air conditioning) systems to cool the racks of equipment. This all but eliminates one of the most expensive components in a data center build as well as the ongoing operational and power costs to run and maintain it.

Single-Phase coolant never changes state, it never boils or freezes and always remains in a liquid form. The coolant gets pumped to a heat-exchanger where heat is transferred to a cooler water-circuit.

Immersion cooling is growing in popularity thanks to its ability to improve efficiency and reduce the use of natural resources without sacrificing neither density nor power.

Our solutions save up to 95% on cooling operating costs and up to 50% on building capital costs and reduce total cost of ownership by 40%. With total cost of ownership savings and increased computing power, our customers will be able to offer better services with the same (or less) resource consumption.

No need for airflow or internal system fans can also improve server reliability. More stable and constant thermal environment: As the cooling fluid is constantly pumped and heat is quickly extracted from any hot components, IT Hardware components are exposed to less stress and less temperature fluctuations. Dust, moisture contamination and risk of oxidation are eliminated.

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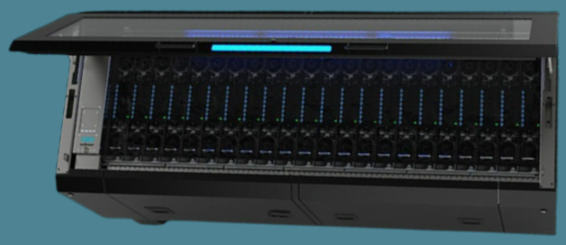
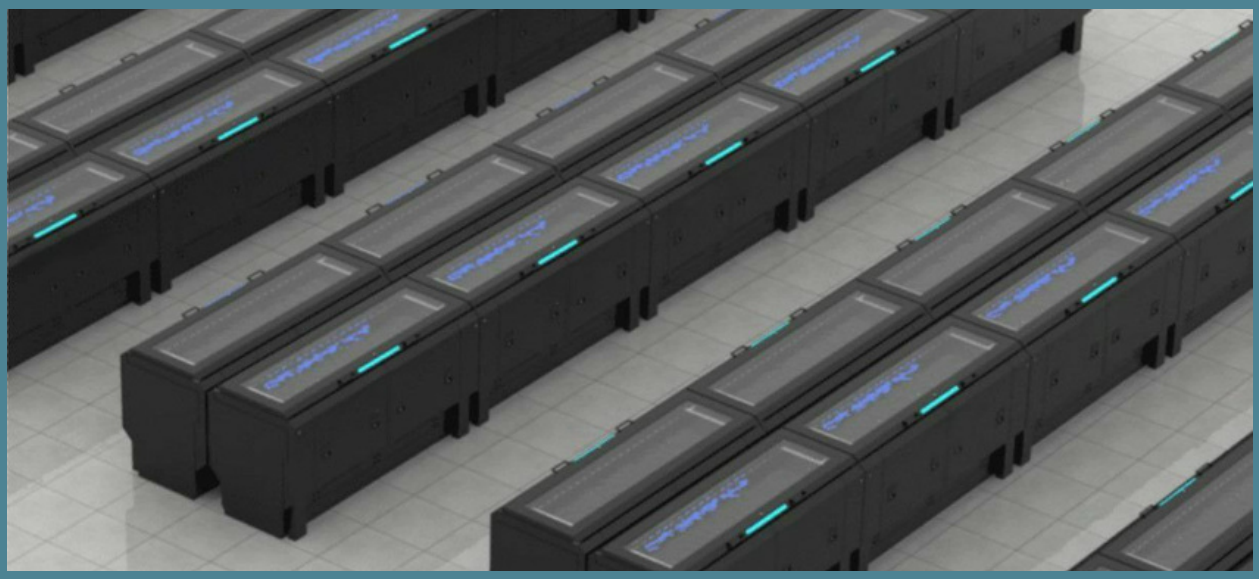
In collaboration with the best immersion equipment manufacturers, we develop turnkey solutions that allow you to have a fully integrated plug and play data center.





Thanks to its flexibility, modularity, and scalability, our technology allows enterprise workloads to be deployed anywhere, while delivering unprecedented IT density while saving space and energy, and increasing processing power. Drawing on a wide range of knowledge including thermodynamics, mechanical engineering, chemical engineering and more, we are well positioned to develop the technologies of the future and fulfill our mission.

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Areas of application of our technology

- Real-time big data analytics
- Deep learning and artificial intelligence
- Robotic Process Automation
- Digital Rendering and Gaming Development
- Colocation
- Education and research center

No matter where our customer is located, we can guarantee high efficiency, fast deployment and huge savings on OPEX and CAPEX.

We provide alternative solutions in diverse geographic locations for accommodating large-scale data centers.

Our strategic goal is to provide our customers fully sustainable, cost-effective modular data centers with reduced energy consumption and emission.

Are you ready to take your data center to the next level of efficiency and sustainability with immersion cooling?

Contact us today to learn more about our services and how we can help you implement this cutting-edge technology in your data center. Trust us to be your immersion cooling experts, providing innovative solutions that optimize your data center performance and reduce your environmental impact.

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