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Press release

Green pushes ahead with construction in order to offer data center capacities to international cloud providers

Green Datacenter is building the first high-performance data center in Switzerland that meets the stringent requirements of the hyperscale companies. Completion is scheduled for summer 2019 – the foundation stone has now been laid.

Lupfig, 14th September 2018 – The provider Green Datacenter is building a new high-performance data center at the Lupfig (AG) site. The demand for data center capacities, especially from international customers, is so great that the construction project will be expedited, explained Franz Grüter, President of the Board of Directors of Green. Its foundation stone ceremony was held on 14th September 2018.

The new data center is being built on the Lupfig campus, which already boasts two data centers with a total gross floor area of 16,280 m^2 as well as an office building with 300 workstations. The next new building is now being constructed on the available remaining land but on a scale far in excess of the existing data centers. Plans for expansion on the part of the hyperscale companies – the large international cloud providers with enormous server farms across the globe – are the reason behind the move. Some of these internet giants are currently developing their cloud offerings for Switzerland or are looking into this course of action. They are setting up their cloud infrastructures in commercial data centers such as those run by Green as, for them, building their own data centers is too costly and time-consuming in a closed market with a number of special regulatory stipulations. Due to the continuing high demand for cloud services, the providers would also struggle to establish data centers in all regions themselves.

Three and a half times more power – the next generation of data centers

Zurich West 3, as the new Green data center is called, is the first high-performance data center in Switzerland that has been developed specifically for hyperscale companies. Thanks to the high power density of up to 25 kilowatts per rack, three and a half times more power can be achieved in the same area than with installations that are currently common in Switzerland. Hyperscale companies in particular use this method of packing in order to run as much hardware as possible in a small space. To simplify setting up and maintaining the extensive infrastructure, delivery options will then also be enhanced. In the future, the site will facilitate the delivery of IT equipment to the building in two 40-ton lorries at the same time.

However, the high electrical power presents the data center operators with certain challenges. More power also means more waste heat in the server rooms that has to be cooled. Green is investing CHF 70 million in the showcase project and promises not only state-of-the-art technology but also energy efficiency. "We will be able to operate the new high-density data center with the same level of energy efficiency as previous installations and achieve a PUE value of 1.19," explained Reto Meier, head data center architect at Green. This will be facilitated by the architecture of the building, a new cooling concept and high-performance free cooling systems.

In addition to pure data center space, the Lupfig site also houses state-of-the-art offices, storage spaces, catering areas and meeting rooms. Green thus provides its international customers with all the amenities that their staff are accustomed to.

Availability and security – for Swiss customers as well

With round-the-clock, multi-level surveillance and a redundant power supply, fibre optic network provision and cooling system, the new data center will again excellently comply with all the important industry standards. And Swiss customers will benefit from this as well – Green will offer them individual racks or ring-fenced data center spaces including, on request, integration with the services of the hyperscale companies as a customer infrastructure enhancement.

On 1st July 2019, the *Zurich West 3* data center will be ready for customer-specific setup.

Images are available at: http://pr.green.ch
Photos of the foundation stone ceremony will also be available via this link on 14th September 2018, from 3 pm onwards.

About Green Datacenter

Green Datacenter AG is one of the leading providers of data center services in Switzerland. In Zurich and vicinity, the company operates four data centers. With *Zurich West 3*, it is now building the first 12-megawatt high-performance data center in Switzerland that meets the requirements of the hyperscale companies. As a full-service provider, Green offers IT infrastructure networking, deployment services, hands and eyes support, office spaces and emergency workstations, in addition to the data center spaces and colocation services. Companies in Switzerland, Europe and throughout the world put their trust in the security and availability of the Green data centers.

Green belongs to InfraVia Capital Partners.

More information is available at www.greendatacenter.ch

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