Green Mountain offers the world's greenest data centres. This is where the mountain meets the fjords, which enables us to use hydropower to sustainably cool our facilities. We utilize 100% renewable power to operate our award winning facilities, which are located deep inside Norwegian mountains.

The Green Standard – 100% Renewable Power

Green Mountain uses Norwegian hydropower as energy source for the cooling system within our data centres. This way we are able to provide our clients with Europe's lowest prices on power, compared to our competitors. One of the main challenges in the data centre industry is ensuring continual cooling throughout the day. At Green Mountain, we use nature and cold water from the deep Norwegian fjords located adjacent to our facilities. By using gravity, the cold water flows to the data centre cooling station without the need for power. Our solution therefore, provides 100% environmentally friendly, free cooling of our data centre. Our unique cooling system provides energy efficiency for our clients, which results in a high quality, cost-effective and energy efficient data centre solution with zero CO2 emissions!

Green Mountain is also the only recognized European provider of data centres, recognized for supporting the international "Future of Internet Power", which sets the principles for green IT operations for international companies like Facebook, Apple, Autodesk, Yahoo and Ebay.

Quality

Our team of data centre experts are working proactively to ensure safe operations of the infrastructure in the facilities and have in depth experience of solving challenges for companies whose uptime of infrastructure is business critical.

Since all our clients have unique business service and support requirements, our team is committed to providing personalized services to our clients' operational needs. Several independent power supplies ensure that Green Mountain always has abundant power supply, both

now and for the foreseeable future. The cooling and electrical infrastructure is duplicated, so that the data centres are operational both during scheduled maintenance and in the event of any unforeseeable faults within our infrastructure. Additionally, our facilities are Uptime Institute TIER III certified, which sets the standard for international best practices in building and operating "rock-solid" data centres. Our quality of operation is documented through continuous and real-time measurements. We provide our clients with in-depth reporting and they can track their environment within our real-time analysis system, providing direct, in-depth information about infrastructure and the environment in the data centres.

Security – Physical and Operational

Physical and operational security: Security and availability of data are a constant concern and a crucial factor in choosing data centres. Our data centres have a world-class technical and operational structure and have therefore never had any downtime.

At Green Mountain, we understand that data security demands more than antivirus programs and firewalls to guard against cyber-crime, theft, vandalism, natural disasters, human-generated disasters, accidental damage and other incidents. Our security system and our standard operational practices are in accordance with ISO 9001/14001/27001, and each of our data centres make use of a full array of security tools to monitor and record access within our facilities. We have set up several barriers to prevent unauthorized access and all areas are continuously monitored by an intelligent video analysis system. We carry out identity checks of all visitors and our data centres are secured with a biometric identification system and it is required that all visitors pass through a physical control system in order to access the centres.

Uptime

100% uptime: Data storage in banking and finance requires stability and uptime on the infrastructure. The banking industry has a huge impact on the society and downtime can therefore be critical. Green Mountain is built to the highest global standards and since the first day of operation, our data centres have delivered a service level of 100% uptime! By establishing their IT solutions at Green Mountain, our clients in the IT industry get increased reliability and lower operating cost.

Innovation

Innovative partner: Through digitalization and major changes, the IT industry will need a partner that is innovative and proactive. Green Mountain helps reduce operational costs through deploying innovative solutions. We guarantee higher quality, at a lower cost than our clients manage to produce themselves. Low PUE (Power Usage Efficiency), long-term investment perspective and high-power load per rack enables low operational costs and reduces the costs for our clients. Our clients realize that establishing data centres in their own premises involves expenses beyond what is needed for just the physical equipment. By moving their equipment to Green Mountain, our clients are able to leverage existing infrastructure and also avoid this high start-up cost. From January 2017, Green Mountain was approved for the new Norwegian tax relief, which reduces power charges by 97 %. We transfer the full benefit to our clients, which give you a 35 % reduction on the electricity bill.

Connectivity

Low latency: The IT industry will demand more capacity and interconnection capacity in the future, and in most places in Europe this is expensive with limited areas. Networking and connectivity are central to Green Mountain`s services, and we deliver both national and international. We have worked closely with The Norwegian Goverment, partners and international telecom suppliers, contributing investment to ensure access to the international connectivity highways. This partnership and investments in the offshore industry ensure low latency for key hubs in Europe, such as London, Amsterdam and Frankfurt.

Our data centres are strategically located near the North Sea, Europe and the United States. We are supplier-neutral and provide access to a wide range of local and international network operators. That way, we can quickly and easily connect our clients to the rest of the world. The most relevant providers of connectivity to the IT industry offer their services within the Green Mountain data centres. We also provide unlimited capacity and high-speed fiber to all our clients.

Flexibility

Our data centres in Stavanger and Rjukan are flexible by design and can be scaled up or down based on clients needs today and in the future. Green Mountain offers customized solutions according to our client's specifications, which can start with one rack and expand as the need increases. Our clients can actually have their own data centre located in our facilities. With two data centres located in different geographical and climatic zones, we also offer the possibility of having data centres with geographic redundancy, but leveraging the advantage of an integrated network infrastructure.

Tieto has partnered with Green Mountain to meet increased demand for local services and offer local, secure and high-quality data centre services to customers in Norway. For us, it is important to offer our existing and future customer the highest level of security for storage of sensitive data and information. Furthermore, we rely heavily on green IT and energy solutions – in the data centre in Stavanger, the infrastructure is cooled by cold water from the adjacent fjord.

Tore Wettre-Andreassen
Director, Technology Services & Modernization, Tieto