



APPSTORE FOR INDUSTRY 4.0 FROM THE DSI VCLOUD

Digital transformation made easy – with iTiZZiMO, the Simplifier and configured business apps – fully integrated

Digital transformation describes intelligent connectivity between people, data and things in user-oriented processes for mobile end devices. Digital transformation means developing and managing integrated applications. With the Simplifier, iTiZZiMO offers an innovative platform for digital transformation with an emphasis on Industry 4.0. Machines and sensors are simply linked together via connectors. And thanks to ready-made modules, partners and customers can easily configure integrated business applications for browsers, mobile end devices and wearables themselves. Information is made available at the right time, in the right context and on any end devices – to allow predictive maintenance for example. The company iTiZZiMO is growing quickly around the world. It uses the highly-secure and highly-scalable DSI vCloud from T-Systems for its own developments and for the Simplifier as a service from the cloud. Whatever happens, enough computing resources are available at the push of a button at any time without iTiZZiMO having to invest in its own infrastructure.

AT A GLANCE

- With the Simplifier, the innovative start-up iTiZZiMO offers an intelligent platform for easy digitalization
- In light of its quick international growth, iTiZZiMO required a new, scalable and secure solution for the IT infrastructure
- iTiZZiMO uses the DSI vCloud as a highly-available environment for its own developments and for the Simplifier with the SaaS model.
- Committed vDC usage model offers reserved computing resources to cover basic load and standby capacities for increasing load requirements
- Economical operation with no need to purchase new, dedicated hardware
- Data privacy and data security in accordance with German legislation
- High level of scalability ensures maximum flexibility in light of iTiZZiMO's dynamic growth
- Global DSI vCloud sites support the company's international expansion

THE REFERENCE IN DETAIL

THE CUSTOMER. Founded in 2012, iTiZZiMO, a public limited company, has its headquarters in Würzburg and offices in Potsdam and Ann Arbor in the USA. The start-up has got off to a successful start, winning prizes for innovation and as founders and attracting a growing number of well-known customers. Around 80 employees currently deal with digital technologies for Industry 4.0. These include all conceivable applications and links for mobile end devices, web and wearables, e.g. data glasses, focusing on areas from augmented reality to SAP integration. The Simplifier product which is marketed globally by iTiZZiMO is an IoT platform for digital transformation within companies. As a so-called low-code platform, it offers the advantage that applications do not need to be newly developed – they only need to be configured as necessary. This relates to business applications and IoT applications. One example is the use of the Simplifier for predictive maintenance in the area of maintenance management. The data from the connected machines are monitored centrally and are available to the customer for maintenance tasks in a portal. In the event of irregularities, the operations manager automatically receives a message, e.g. on a SmartWatch. On the machine itself, they use their tablet which shows all information in detail. In order to rectify a fault, they are given step-by-step instructions via data glasses and can also chat to an expert. Once the problem is rectified, the operations manager writes the data back to the system, e.g. to the connected SAP ERP or an MES (manufacturing execution system). Maintenance management is only one of countless examples of how the Simplifier helps to optimize business processes. With one large application used by an iTiZZiMO customer, around 230,000 employees access the Simplifier.

THE TASK. iTiZZiMO uses computing resources in the form of Infrastructure-as-a-Service (IaaS) for its own developments and for all customers who would like to source the Simplifier as Software-as-a-Service (SaaS) from the cloud rather than having it on their premises. As the company developed, it became clear that the previous provider was unable to keep up with the growing requirements as regards scaling, certification, data security and internationality. Because the company was planning various large projects, it needed a service provider that could provide the necessary resources reliably – with increased capacities available at the push of a button – and everything in the same high quality anywhere in the world. Image and trust also played an important role. After all, iTiZZiMO's customers are the who's who in the industry. Maximum availability for business-critical applications, data security and data protection, certifications and future viability should all be verifiable. For all these reasons, iTiZZiMO opted for Telekom's offering following the tendering process.

THE SOLUTION. For the Simplifier with the SaaS model, iTiZZiMO uses the secure, dynamically scalable Dynamic Services for Infrastructure with vCloud from T-Systems. DSI vCloud is provided as a virtual data center with VMware vCloud technology. This private cloud is operated in the twin-core data center in Munich and offers an availability of 99.98%. A total of 14 global DSI-vCloud data center sites are available for iTiZZiMO's international expansion. The company opted for the Committed vDC usage model, comprising fixed and flexible resources (CPU and RAM). The provision of resources is adjusted during ongoing server operations. Via the self-service portal (or API) provided by T-Systems, iTiZZiMO can configure the required computing power and increase storage capacity as necessary. Responsibility for the portal, all infrastructure operations (including virtualization) and security lies with T-Systems. Responsibility for operating systems, applications, end devices and the network connection lies with iTiZZiMO, while additional network connections and management are optionally available.

BENEFITS FOR THE CUSTOMER. iTiZZiMO's customers benefit from easy access to the pre-configured elements, features and interfaces of the Simplifier like in an AppStore for Industry 4.0. Whether someone needs a portal, would like to add connectors for an SAP system or would like to operate video communication, the Simplifier makes it possible. With infrastructure resources from the DSI vCloud, iTiZZiMO is on the safe side with its SaaS offering. The data centers are ISO and TÜV-certified and data are stored in accordance with German legislation. Thanks to the fixed and flexible resources in the cost-optimized Committed vDC model, iTiZZiMO can react quickly if it needs additional capacity – even at short notice. The pricing model ensures that iTiZZiMO does not need to invest in its own infrastructure. iTiZZiMO and T-Systems support their customers when it comes to digitalization. "We are already thinking about stepping up the partnership as part of the Telekom ecosystem in order to make it easier for medium-sized customers in particular to start benefiting from Industry 4.0," said Dirk Heidemann from Partner Management at Telekom Deutschland.

"Our entire private cloud infrastructure works perfectly. If we require additional resources from the DSI vCloud, we get them within seconds," said Florian Rühl, CSO of iTiZZiMO. "We love working with Telekom and T-Systems and would like to step up the partnership in the future."

iTiZZiMO

CONTACT

T-Systems International GmbH
Hahnstrasse 43d
60528 Frankfurt am Main
E-mail: referenzen@t-systems.com
Internet: www.t-systems.com

PUBLISHED BY

T-Systems International GmbH
Marketing
Hahnstrasse 43d
60528 Frankfurt am Main
Germany