AIRLOCK®
SECURE ACCESS HUB

dacadoo

IT security for more than 200 million customers

—

dacadoo and Airlock Microgateway

Airlock offers both:
high speed and extensive expertise.

Sandro Toneatto, CTO, dacadoo AG

From measuring fever and pulse to blood tests: Hardly any other industry is as data-oriented as the healthcare sector. And dacadoo makes this data useful, both for people as well as insurers and health organizations. The Zurich-based start-up has become a real driver of innovation in e-health – thanks also to Airlock, the security solutions by Ergon Informatik AG.

When you consider the company age and number of employees, dacadoo is a post-start-up. But a look at the end customers who use the dacadoo health platform reveals another picture. With 200 million connected policies in 17 different countries, the Zurich-based start-up has achieved impressive growth in just ten years.

Rooted in Zurich. At home in the world.
The best proof of concept for a young company? First major and renowned customers. Here dacadoo can point to a number of strong names – from Manulife in Asia and Menzis in the Netherlands, to Generali Hellas in Greece and Irish Life in Ireland.

Measuring health – for better health management
The company's secret to success: The health index it has developed makes health measurable. And what you can measure you can also manage and optimize. dacadoo deliveries twice the added value. On the one hand, it allows health organizations and insurers to quantify health risks reliably. On the other, it enables end customers to improve the quality of their health systematically. After all, the dacadoo app turns health into an experience for the user – thanks to automated health coaching, various gamification tools, and an integrated interactive community.

Away from big applications and toward agile microservices
It's not only the range of services offered by the healthcare pioneer that's fascinating, but also its history. Particularly, how the IT infrastructure has changed over ten years. For instance, during an initial phase the company ran its solutions on premises. The advantage was that it could keep everything under control and manage its own processes.

And the disadvantage? Any business that grows and gains new customers, countries, and partners needs to scale quickly and adjust its applications to new requirements in an agile way. But simple deployment and efficient onboarding is difficult to realize with complex IT systems. For this reason, dacadoo opted for a fundamental change of course in 2019. Sandro Toneatto, CTO of the company, explains:

"Meanwhile, our solutions run on three continents with over 21 contracting partners involved – and the IT architecture also needs to be able to handle this complex structure. For us specifically, this means we are moving away from big applications and toward agile microservices."

Slicker and more agile – modern security architecture for microservices
Microservices are almost predestined for fast scaling, since complex application software is composed of independent processes. In other words, microservices work like a modular system based on different containers. However, this modular philosophy also requires an adjusted security architecture, which Airlock Microgateway is able to provide.

Airlock Microgateway – making security scalable
Airlock Microgateway is the ideal solution for microservice architectures and DevOps methods because it is based on the proven core security of the Airlock Gateway Appliance and enables short innovation cycles, automated roll-outs, and distributed applications in cloud environments.

"To achieve a high level of agility, we also chose a cloud solution," Sandro Toneatto continues. "Here too, Airlock won us over as we don't any face vendor lock-in for our SaaS. We therefore selected the ideal cloud for us."

While agility is undoubtedly an important factor – applications also need to be absolutely secure,

especially in the sensitive healthcare sector. dacadoo faces a particular challenge in this context, as it operates in a wide range of countries. Not only do the common compliance regulations like HIPAA, ISO 27000, and the GDPR have to be observed, but also the diverse range of requirements specific to each country. The good news is that, with its upstream approach, Airlock meets a wide array of regulatory requirements. This means that each application does not have to be individually adapted. A centralized solution ensures what's critical in daily operations: maximum efficiency.

**High speed and extensive expertise –
why Airlock is the perfect fit for dacadoo**
Besides the technical aspects, there's another argument for why dacadoo chose Airlock – an argument that primarily relates to the collaboration.

"As a start-up in the tech sector, we sought an innovation partner that offered both high speed and extensive expertise. These are precisely the characteristics that distinguish Airlock, and during collaboration you clearly feel that you're dealing with engineers and not just sellers. The benefit for us is

« When collaborating with Airlock, you clearly feel that you're dealing with engineers and not just sellers. »

Sandro Toneatto,
CTO, dacadoo AG

that we get exactly the future-proof solutions we need – a major plus especially in times of digital transformation."

dacadoo
Founded by the Swiss entrepreneur Peter Ohnemus in Zurich in 2010, dacadoo now has 115 employees and customers in over 17 countries – from Manulife in Asia and Menzis in the Netherlands, to Generali in Greece and Irish Life in Ireland. The multiple-award-winning health platform by dacadoo is based on over 300 million combined years of clinical data and quantifies health using a patented health index. For insurers, the tech company allows them to conduct a reliable risk analysis, while the health platform motivates end customers to engage in a health-conscious lifestyle.

About Airlock – Security Innovation by Ergon Informatik AG
The Airlock Secure Access Hub combines the important IT security issues of filtering and authentication into a well-coordinated overall solution that sets standards in terms of usability and services. The Secure Access Hub covers all important functions of modern IT security in this field: from a web application firewall (WAF) awarded by journalists, to a customer identity and access management system (cIAM) trusted by Swiss banks, to API security that meets the latest requirements. The Airlock IT security solution protects more than 20 million active digital identities and 30,000 back-ends from over 550 customers around the world. For more information, visit www.airlock.com. Airlock is a security innovation of Ergon Informatik AG.

The Swiss Ergon Informatik AG, founded in 1984, is a leader in the development of individual software solutions and software products. The basis for its success is 300 highly qualified IT specialists who, thanks to their outstanding specialist knowledge, can quickly anticipate new technology trends and ensure decisive competitive advantages with innovative solutions. Ergon Informatik mainly implements large-scale projects in the B2B sector.

Ergon Informatik AG
Merkurstrasse 43
CH-8032 Zurich
+41 44 268 89 00
info@airlock.com

www.airlock.com

ergon