

## Success Story: Bmonc



**Bmonc is a startup founded in 2018 with the purpose of providing monitoring systems for building envelopes. The company operates in the B2B sector and offers solutions for professional waterproofers, roofers, carpenters, flat-roofers, architects, and expert assessors. Sensors are deployed to continuously record and visualize physical parameters within structures. Established methods for interpreting measurement data are applied to assess moisture levels in buildings.**

**Bmonc gives clients a tool for predictive maintenance to meet strict execution and warranty requirements (Austrian standards, building documentation, OGH guidelines) and regulations (IFB, OIB). The benefit for clients is the documented preservation of value of the monitored assets.**

### **Project Description**

To implement an IoT project, Bmonc was looking for a suitable partner with proven expertise in IoT (Internet of Things) and AWS (Amazon Web Services).

As an AWS Advanced Consulting Partner and partner company of IoT-Systems, KaWa commerce (now tecRacer Austria GmbH) was able to meet the requirements for this complex project. The project requirement was to handle the onboarding of various IoT sensors and gateways into AWS.

To explore all possibilities, we conducted a Proof of Concept at the start of the project. The onboarding of IoT devices into AWS was achieved using AWS IoT Core for LoRaWAN along with various — partly automated — Bash scripts.

To maximize the use of the AWS cloud infrastructure, we also conducted a Well-Architected Review based on the AWS Well-Architected Framework.

Through this process, we were able to achieve improvements in several areas for our client:

In the area of "Security", we added MFA (Multi-Factor Authentication) to the account and configured IAM roles (Identity and Access Management) as well as a Secrets Manager.

To achieve "Operational Excellence", we collect and analyze telemetry data, which helps us better understand the state of the workloads in our client's AWS account.

For improved "Performance Efficiency", our client defined KPIs (Key Performance Indicators) which, in conjunction with telemetry data, trigger alerts when thresholds are exceeded.

AWS services were implemented by us in a scalable and automated manner. Backups are stored automatically and encrypted. This also ensures the "Reliability" of the applied services going forward.

### Customer Contact:

**Johannes Koller CTO at Bmonc**

*"tecRacer did a great job! Very client centric and creative. To use scalable and highly secure cloud technologies is key focus. We recommend tecRacer for AWS technology-based developments."*

### Services Delivered by tecRacer:

- Proof of Concept
- AWS Well-Architected Review
- AWS IoT Implementation

### About tecRacer

tecRacer is on its way to becoming Europe's leading AWS Thought Leader. Working closely with AWS, tecRacer helps organizations leverage cloud innovation, generative AI, and digital sovereignty as competitive advantages — without compromising on security or regulatory responsibility.

Founded in 2006, the company employs around 120 people across Germany, Austria, and Switzerland. As an AWS Premier Tier Services Partner and Advanced Tier Training Partner, tecRacer guides organizations from their first cloud idea through to 24/7 operation of their cloud environments.

Learn more about our team, our values, and what drives us at [www.tecracer.com](http://www.tecracer.com) or get in touch at [sales@tecracer.com](mailto:sales@tecracer.com).

