

adesso

FRANKE

Personalized coffee enjoyment through digitalization



Modern cloud technology for smart IoT devices

Franke's state-of-the-art coffee machines embody digitalization and automation. With adesso's support, individual settings, such as coffee preparation parameters, can now be centrally managed via the cloud, tailored to specific regional preferences.



Challenge

Digitalization and automation are transforming nearly every aspect of daily life – including the way we enjoy coffee. Today's market demands customizable coffee experiences (e.g. varying bitterness levels by region) and flexible, customer-specific machine configurations, without compromising quality and maintainability.

For this reason, Franke's cloud solution and embedded software testing continue to be advanced in collaboration with adesso.



Benefits for the client

- > The Franke platforms have been upgraded to modern technological standards through a modular architecture and expanded test coverage, allowing market needs to be addressed faster.
- > Error notifications are now received directly by Franke. Using time-stamped logs, issues can be quickly identified and resolved.
- > By integrating adesso's technology specialists and project deliveries from the embedded sector, overall project costs were optimized with our hybrid shoring model.



Solution

adesso provides Franke with end-to-end support and ensures high software quality, while driving innovation through close cooperation. Key initiatives include:

- > Enhancements to the CI/CD pipelines (Azure DevOps),
- > Standardization of micro-service configurations (via Azure App Configuration),
- > Further development of the cloud platform and embedded device software
- > Infrastructure modernization and migration
- > Creation of Grafana monitoring dashboards and the error-reporting system

More on the solution

Beyond its work on cloud solutions, adesso's "smart connected devices" team also supported Franke in developing hardware-related embedded software. They verified the quality and completeness of the IoT Azure cloud connection (unit test coverage), thereby improving IoT hub connectivity. This laid the foundation for system refactoring, reducing errors and thus improving overall software quality.

Methods and applied technologies

Azure Function | Azure IoT Hub SDK | Azure Key Vault | Azure Service Bus | Azure Stream Analytics | C# | Google GTest/Gmock | Grafana | Linux Embedded | Modern C++ | Terraform | Vue.js



“*adesso Schweiz provided us with comprehensive support in the DevOps area for our cloud solution and helped us to implement our DevOps process in line with our vision. As a result, our cloud has become highly scalable and very robust. I am proud to say that our cloud solution is now one of the best in the industry in terms of functionality, security, and availability. adesso also carried out a central refactoring of the coffee machine software in the IoT client.*

Christof Hurni, Vice President Technology, Franke

About the customer



Franke Coffee Systems is a global leader in innovative, fully automatic coffee machines and customized solutions for premium coffee experiences. For over 100 years, Franke has stood for Swiss engineering, technological innovation, and outstanding design. Headquartered in Aarburg, Switzerland, Franke Coffee Systems is part of the internationally active Franke Group.



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