Zühlke in Healthcare

We help clients succeed in a complex world filled with uncertainty and opportunity

zühlke
empowering ideas

Facts & figures

» Austria Vienna	**» Serbia** Belgrade
» Bulgaria Sofia	**» Singapore** Singapore
» Germany Frankfurt Hamburg Hannover Munich Stuttgart	**» Switzerland** Bern Zurich
	» United Kingdom Edinburgh London Manchester
» Hong Kong Hong Kong	
» Portugal Porto	**» Vietnam** Ho Chi Minh City

Founded in 1968

17 offices in 10 countries

1,900 employees worldwide

The Zühlke Group is owned by partners

Certifications: ISO 9001, ISO 13485, ISO 27001

We put data at the heart of everything we do

Sustainability focus: climate action and health improvement

We empower global healthcare through our client network

Collaborating with regional and global clients to advance health outcomes

MedTech & HealthTech

Pharma and Life Sciences

Healthcare

10,000+ Projects successfully completed

Services and Focus Areas

Our capabilities and expertise

| **01** Healthcare Innovation | **02** Digital Health Applications | **03** Device & Systems Engineering | **04** Smart Data & AI Lab |

We advise clients on organizational strategy, new products and services, effectiveness of core processes, and best practices of development according to GMP/MDR/IVDR

We design, develop and operationalize medical software applications for patients, clinicians, and laboratories
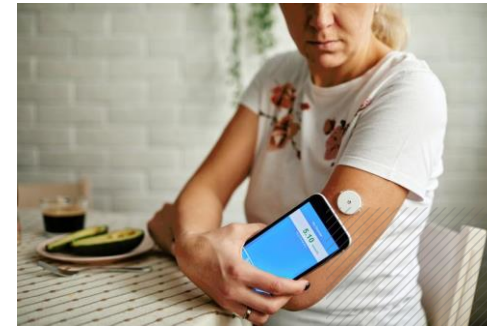
We support the development of innovative medical devices and systems. Our customers trust us: from design, through production to market launch

We help firms develop Medical AI solutions that generate real value, advise on the selection of data platforms and medical clouds, and support companies holistically on their data-driven journey

Exploring our capabilities

A comprehensive catalogue

Healthcare Innovation	Product & Service Design	Product & System Architecture	Back-end development	Front-end development	Data Analytics	DevOps
Innovation	UX Design	Architecture Foundations	Java, Kotlin	Conversational Interfaces	Data Visualisation	Site Reliability Engineering
Transformation	Customer Interfaces	Legacy System Integration	.NET	Web Development	Data Engineering	Identity & Access Management
		Microservices & API Architecture	Database Modelling	Mobile Development	Deep Learning / Machine Learning	
		Web and Mobile Architecture	Cloud Computing			

Project Management

We partner with you to embed innovation into the "Continuum of Care"

We support the conceptualisation and development of digital health tools at each stage of the patient journey

■ Current health management

■ New patient-centric Digital health future

2023

Diagnosis

Treatment

Monitoring

Remission

Pre-Care / Healthy

| Imaging | Blockbusters |

| Molecular diagnostics | Personalized drugs and delivery | Companion App | Algorithms – Relapse prediction |

| Wearables | Omics | DTx Apps | Telehealth |

| Companion App | Patient platforms | Full-loop systems |

Electronic health record

We are a certified development partner for major cloud suppliers

Partnering with leading cloud providers to support your journey to cloud

As a certified partner with leading cloud providers such as Microsoft, Google and AWS, we help to navigate and support your journey to a medical-grade cloud solution

Uses cases

- Mobile medical device
- Patient or physician medical app
- Remote monitoring by HCPs

Trends

- Advanced Managed Service by 3rd party (e.g. Zühlke)
- International roll-outs
- Data analytics and insights

Selection

- Based on detailed technical and economic assessment
- Based on requirements for scalability, security and more

amazon

Microsoft

Google Cloud Platform

aws partner network

Advanced Consulting Partner

© Zuhlke

Eugster, Andreas

Pioneering the development of regulated medical AI applications

We specialise in developing and operationalising regulated medical AI applications

Getting Regulatory Approval for AI

- Assessment of data quality and coverage
- Review of the data science process
- Consulting on documentation and validation

From Patient Data to Machine Learning

- Fast prototype using state-of-the-art ML methods
- Development of AI-based solutions based on our Machine Learning Process for Medical AI
- Compliant documentation of the research process

From Research to Production

- Operationalization of your ML prototype
- Integration into company IT landscape and clinicians workflows
- Ensuring reproducibility and explainability
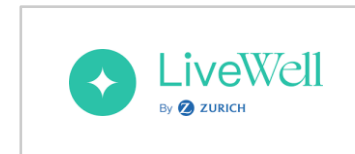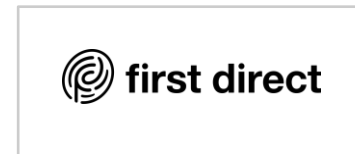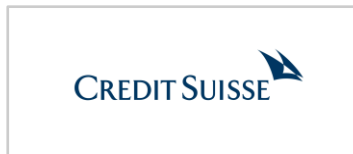- Building safe and validated solutions
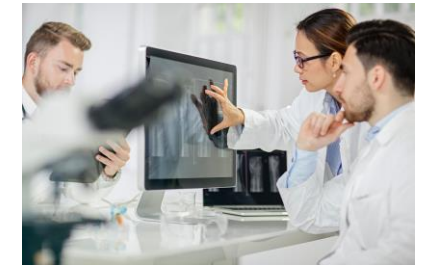
Medical Grade Data Platform

- Creating a cloud-neutral regulated Data & AI platform
- Production Grade secure & safe platform for sensitive data
- Enable state of the art ML e.g. federated learning, etc.

Our customer network

We bring learnings and ideas from multiple industries to you

Reach out to our team for a 1-1 consultation

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