ANDREAS FISCHER

SMART FACTORY AUTOMATION

From CNC Control Systems to Custom Business Apps

Specialized support for **SINUMERIK commissioning** and tailored Java & Kotlin software for production, business, and digital processes.

- Hands-on, on-site analysis
- Software that understands interfaces & processes
- Robust solutions built for 24/7 operation

Services

Machine Tools & CNC

Over 35 years of practical SINUMERIK experience directly on the shop floor.

- Commissioning and optimization for:
  - SINUMERIK ONE
  - SINUMERIK 840D sl
  - SINUMERIK 840D powerline
- PLC programming in TIA Portal & Step7 (SCL/LAD/STL)

Digitalization & Industrial IT

- Machine networking via OPC UA & MQTT
- End-to-end IT/OT integration (Cloud, MES, ERP)
- Data acquisition, analysis & process automation
- Industrial IT Security

Java & Android Software

15 years of experience in Java programming and Android development with Kotlin.

- Tailored middleware and backend systems
- Desktop applications and SQL databases
- Mobile production control & monitoring via Android (Kotlin)
- Native Android apps for custom use cases

Detailed real-world solutions and reference projects online at www.aw-net.eu

Contact

Andreas Fischer
Elizabeth-T.-Spira-Promenade 4/39
1030 Vienna
Austria

Email:
andreas.fischer@aw-net.eu

Phone:
+43 676 5808695

Website:
www.aw-net.eu

Tech Stack

- SINUMERIK / TIA Portal / Step7
- OPC UA, MQTT & IIoT
- Java (Spring Boot, Hibernate)
- Java Swing & JavaFX
- Kotlin / Android
- SQL Databases
- Docker Containers

Scan for more info

Let’s discuss your project – no obligation.

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