

INQ Ing.büro Niebel

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Ingenieurbüro NIEBEL

project management: agile or not - respect dependencies not religions

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quality management: waterfall, V-model, old school/ new school - doing it senseful

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system engineering: clarify & ensure needs, circumstances and architecture at the beginning

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functional safety: make sure that it is safe and defend it

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Wolfgang Niebel

Dipl. Ing. (FH)

Language skills: German/ Englisch

REQB® Certified Professional for Requirements Engineering

TQM-Assessor

EOQ Quality Systems Manager + EOQ Quality Auditor

University of applied science Rosenheim

Degree program wood engineering

Degree: Dipl. Ing. (FH)/ grad.eng.

Carpentry, Degree: journey level

*enable a professional solution
in terms of
quality, time, budget*

project work - what we're doing

working as freelancer via contracts (only) within several industrial branches (automotive, electronics, machinery. and more).

Project Management, System Engineering, Functional Safety, Cyber Security, Quality Management

**in the heart of Europe between Rhine and Moselle
on the
beautiful heights of the Hunsrück**

on-side or remote: working is possible everywhere (we're doing home-office for years now without virus)

systems are available and stabil running and we're skilled

using JIRA, Confluence, APIS, EnterpriseArchitect, MSVisio, MSPProject, all MS Apps

experienced products:

inverter, on-board charger, converter, safety software platform, rear light manager, clamp control, share-riding service, on-board customer control & monitoring, autonomous delivery robot, over-the air update, online remote update, camera-based rear view mirror, all-terrain vehicle/SUV vehicle/ system level, battery system EV, high power charging station, automatic transmission, engine control unit, column stock module, indicator, rear light, head light, rain sensor, remote parking control, airbag control unit, software development safety software, driver assistance system, radar sensor, motorhomes, fully or semi-automated industrial test systems

experienced technics and methods:

Software critical path analysis, software criticality analysis, maturity model(s), SPFM/ LFM/MTBF/MTTF fault rate determination, FMEDA, hazard analysis and risk assessment, fault tree analysis FTA, FMEA, audit and assessment, QFD, SPC, business process optimization, process re-engineering, Kaizen/ CIP, Kanban/ process control, V-model/waterfall model/SCRUM, PPAP, APQP, SWOT, Ishikawa, 8D, flowcharts, balanced scorecard

experienced standards:

ISO26262, IEC61508, ISO13849, IEC62061, IEC62380, ISO21448, ISO21434, SAE J3061, ISO9001, ISO9004, IEEE730, IEEE1012, IEEE828, IEEE1016, IEEE1028, IEEE29148, IEE-E12207, IEEE829, IEEE830, IATF16949, SN29500, MIL-HDBK-217, MIL-STD-882E, CMMI, ISO15504, IEC61025, IEC60812, ISO61709, DIN EN 61882, EFQM

experienced industries:

Automotive, electronics, electrical, automation, mechanical engineering, consulting, training& qualification, construction machinery, trucks & commercial vehicles, building elements & components, furniture, house construction

experienced tools:

JIRA, Confluence, JIRA Work Management, APIS, Doors, EnterpriseArchitect,, fully Microsoft tools, MSVisio, MSProject, GitHub, SVN, MIRO, MSTeams/ Zoom, Slack, MSSharepoint, Figma

customers:

CARIAD, MOIA, Teraki, Brusa, FESTO, SMR, AKKA, Valmet Automotive, Prosche Engineering, Punch Powertrain, LIEBHERR, Valeo, TRW (ZF), Automotive Lighting, Hella AG, Eura Mobil/ Karmann Mobil, ELABO, Görlitz AG, PRÜM