

Curriculum vitae

Proposed position: Expert
Profession: Civil engineer (Dipl.-Ing.)
Date of birth: 24th May 1959
Nationality: German
Professional service: 25 years

Key qualifications:

- Excellent speaking and writing capabilities in German / English
- Serious background in most aspects of modern public transport
- Expert reputation in the field of Light Rail and TramTrain
- International record of presentations, papers and publications
- Excellent international network

Language capabilities:

| | SPEAK | READ | WRITE |
|--------------------------|--------------|-------------|--------------|
| German | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Good |
| French | Fair | Good | Fair |
| Danish /Norwegian | --- | Good | --- |

Employment record:

2002 – Independent consultant
1996 – 2002 Deputy director of TransportTechnologie-Consult Karlsruhe GmbH (TTK)

1992 – 1996 Part-time consultant for Verkehrs-Consult
Karlsruhe GmbH (VCK)

1986 – 1996 Verkehrsbetriebe Karlsruhe (VBK) /
Albtal-Verkehrs-Gesellschaft mbH (AVG)

Major tasks carried out:

- 2011 – Leader of European/Scandinavian advisory team for South-East and West light rail extension in Edmonton / Canada; in co-operation
- 2010 – Mobility concept Nordstad / Luxembourg, public transport part; in co-operation
- 2009 – Strategic advice for the city of Odense / Denmark regarding the introduction of a HighQuality public transport scheme
- 2008 – Continuous advice as „Client’s Engineer“ for Bybanekontoret Stavanger in planning phase of Stavanger Kombibane/Bybane project
- 2007 – Continuous advice as „Client’s Engineer“ for Midttrafik in planning phase of Aarhus lightrail project
- 2002 – Organisation and implementation of study-tours, workshops, seminars and presentations for international clients (Belgium, Denmark, France, Netherlands, Norway, Sweden, UK)
- 2010 Benchmarking study RegioTram – comparison of the Kassel RegioTram corridors with other German / International regional light rail and TramTrain-corridors using specific benchmarking parameters, commissioned by Nordhessischer Verkehrsverbund (NVV)
- 2010 Infrastructure cost and operational concepts evaluation within a preliminary cost-benefit assessment for a tramway extension of the AVG-route to Ittersbach towards Pforzheim city centre and evaluation of an increased PT-offer between Pforzheim and Mühlacker – in cooperation, assigned by Pforzheim municipality and Enz-county
- 2010 Experience, developments and trends within the tramway rolling stock market – assigned by Bybanekontoret Stavanger

- 2009 – 2010 “Special advice” member of project team for light rail extension to Bergen Flesland airport
- 2009 – 2010 Study for SKYSS / Hordaland Fylkeskommune regarding state-of-the-art technologies, developments, experience and trends within the field of trolley buses, gas buses and hybrids, in comparison with classic Diesel technology under economic and ecological perspectives; in co-operation
- 2009 Short-term rolling stock requirements for Bergen Bybane – assigned by SKYSS; taking into account bus network survey results, patronage forecast scenarios and international experience, in co-operation
- 2009 Medium-term network concept for the tramway of Bergen/Norway; in co-operation
- 2008 – 2009 Expert advice for B-Rail regarding LightTrain application for Belgian regional railways
- 2007 – 2009 Transport Development Plan for Pforzheim, advice on light rail issues; in co-operation
- 2008 – 2009 Quality control function in KVVU process for Stavanger Kombibane (international comparison / benchmarking)
- 2007 – 2008 Advice for CEIS/Innovation 128 (Paris, France) regarding rail technology issues
- 2007 – 2008 Definition of planning parameters for Groningen Regiotram project (Tram vs. TramTrain requirements)
- 2006 – 2008 Advice for Regensburg municipality regarding medium-term public transport policy and rail-bound urban transport solutions
- 2007 Stavanger Kombibane (TramTrain); advice regarding infrastructure, operation/organisation and rolling stock; in co-operation
- 2006 – 2007 TramTrain Brussels-Aalst; Advice regarding infrastructure, rolling stock and operational concept, in co-operation
- 2006 Advice for Sandnes municipality in Norway regarding public transport requirements for new large housing development areas, in co-operation

- 2006 Advice for Groningen/Drenthe region in the Netherlands regarding TramTrain potential and possibilities involved with a more regional role of a planned light rail scheme, in co-operation
- 2006 Expert role (rolling stock) in a Spanish project team for the Chiclana-San Fernando-Cadiz TramTrain-project
- 2006 Advice on best practice regarding the Internet-appearance of the Rastatt city-bus scheme including specifications for a planned re-launch
- 2005 Advice for the city of Dudelange/Luxemburg on TramTrain and general rail transport issues; part of local project team
- 2005 External advisor for the Bergen (Norway) light rail project, contract with the Light Rail unit within Bergen municipality
- 2005 External advisor for the Porsgrunn-Skien (Norway) light rail project, contract with Telemark County
- 2005 – 2006 Expert advice for Rastatt municipality regarding cost increases within the Murgtalbahn light rail project
- 2004 – 2005 Expert advice for Oslo Sporveier (maintenance cost benchmarking, second opinions on study reports etc..)
- 2004 – 2005 TramTrain-potential of the Greater Oslo region, study within Oslopakke 2 framework, contract with State Road Authority
- 2004 – 2005 Advice for Aarhus City and Region regarding an optimised use of an existing railway at the urban waterfront (“Zwickauer Modell”) and a future TramTrain-concept
- 2004 Coventry to Nuneaton LRT Feasibility Study; part of the project team together with Parsons Brinckerhoff, Interfleet and NEXUS, contract with CENTRO
- 2003 – 2005 Member of the expert panel for the Interreg (North Sea)-project HiTrans (www.hitrans.org); additional consultancy work in various project strands

- 2003 – 2004 Cost-Benefit analysis for the light rail extension through the centre of Rastatt (update of earlier studies with the new “Standardisierte Bewertung, Verfahren 2000”); in co-operation, project leader; contract with Rastatt municipality
- 2003 – 2005 “Shared Stop Infrastructure for Trams & Buses” study; contract with London Buses / Transport for London
- 2003 – 2004 Update of the Local Transport Plan for the area of the Freiburg Passenger Transport Authority (ZRF); in co-operation
- 2002 – 2003 Technical and regulatory issues related to a mixed use of a planned new S-Bahn-tunnel in Basle, Switzerland; in co-operation
- 2002 Advising expert regarding traffic and transport issues within the architects’ competition for the Ljubljana Main Railway station (Slovenia)
- For TTK:
- 2001 – 2002 Concept, partner search and proposal for EU-Thematic network on Light Rail (LIBERTIN), main partners UITP and UNIFE, project starts 2002
- Rolling stock consultancy services for SIEMENS TRANSPORTATION Vienna
- 2000 – 2001 EU-research project CROSSRAIL (Growth FP4) on integration of local and regional rail (TramTrain) and cross-border aspects
- EU-study on the obstacles to a better functioning of the internal market for rail mass transit with special regards to different standards and regulations
- Study for the UK DETR on Light Rail and complementary Measures, part 2
- 1998 – 1999 Expert advisor for a TramTrain-project in Stavanger, Norway (Transportplan Nord Jaeren)
- Expert advisor for the Briztram project in Brisbane, Australia

- 1997 – 1998** Technical team leader of an international consortium for the design of the Northern section of the planned Luxembourg tram-train scheme
- Strategic concept and feasibility study for the Passenger Transport Authority of Kassel, Germany, with regard to an optimised and cost-efficient use of existing infrastructures for railway, tramway and tram-train
- 1996 – 2002** Project leader for the operational, technical and economical evaluation and the preliminary design study for the Ljubljana tramway / tram-train scheme
- 1996 – 1997** Technical feasibility study to determine a combined vehicle for the three Oslo rail systems railway, metro and tramway
- Safety features of conductor rail electrified railway routes in Southern England with regard to tram-train and low-floor issues
- Study for Strathclyde Passenger Transport to investigate the opportunities of a tram-train LRT system in the Glasgow region
- 1992 – 2002** Involvement and project leadership for a number of German railway, tramway and tram-train projects, mainly on the infrastructure and rolling stock side
- For VBK/AVG:**
- 1986 – 1996** various projects within the Karlsruhe region including the first tram-train routes from Karlsruhe to Bretten, Wörth and Pforzheim and new light rail routes in suburban village areas like Karlsruhe to Hochstetten, Rheinstetten and Stutensee
- Education:**
- 1984** Diploma: Planning of a cycle alignment between Durlach and the city centre of Karlsruhe; was awarded a prize in the Schinkel-competition 1985 in Berlin
- 1980 – 1984** Studies in Civil Engineering, specialising in traffic planning at Karlsruhe Fachhochschule