

- 1. **Family Name:** **Blanche**
- 2. **First Name:** **Thomas**
- 3. **Date of Birth:** 31.03.1963
- 4. **Nationality:** German
- 5. **Civil Status:** Single
- 6. **Contact:**
 - Address: 65623 Schiesheim, Germany
 - Telefon: +49 157 80783741 / +260 96 2535530
 - Mail: thomas.blanche@gmx.de
 - Skype: thomas.blanche

- 7. **Education:**
 - Institution: University of Applied Sciences Wiesbaden
 - Date: 03/1983 – 03/1991
 - Degree or Diploma: Bachelor in Engineering Architecture, Construction Management

- 8. **Language skills:**

Language	Reading	Speaking	Writing
German	Mother Tongue	Mother Tongue	Mother Tongue
English	Excellent	Excellent	Excellent

- 9. **Other skills:**
 - Computer skills: MS Office, AutoCAD, GIS
 - Additional skills: Mechanical and Electrical Engineering Practice / Design and Build

- 10. **Key qualifications:**

Mr. Blanche has been involved in various sectors of the Construction Industry, from architecture to civil engineering in the sectors of building construction, water, waste water, sewers, dams, irrigation, roads, drainage projects.

Experience in Conceptual and detailed Execution Design, in Feasibility Studies and Tender Elaboration, Works Supervision and Project Management of FIDIC works contracts (P&DB - Yellow Book and Red Book) for EU/KfW/WB/AfDB/ADB financed projects.

Thomas Blanche is used to work interdisciplinary and team informed in international teams with strong organisational capabilities and leadership.

- 11. **Countries of Work Experience:**

Kenya, Tanzania, Uganda, Rwanda, Ethiopia, South Sudan, Somaliland, Mozambique, Botswana, Guinea (West Africa), Palestine, Greece, Bulgaria, Romania, Yugoslavia, Vanuatu (Pacific), Zambia, Germany

- 12. **Employment Record (Companies):**
 - **Date:** **03/2019 - present**
 - Location:** Chingola, Zambia
 - Company:** Nicholas O'Dwyer
 - Position:** Chief Design Engineer
 - **Date:** **02/2018 - 02/2019**
 - Location:** Katzenelnbogen, Germany
 - Company:** BCM Waterengineering
 - Position:** Sanitation Project Engineer, Architect
 - **Date:** **09/2017 - 01/2018**
 - Location:** Lusaka, Zambia
 - Company:** CES Consulting Engineers Salzgitter
 - Position:** Sanitation Engineer
 - **Date:** **03/2016 - 08/2017**
 - Location:** Katzenelnbogen, Germany
 - Company:** BCM Waterengineering
 - Position:** Sanitation Project Engineer, Architect
 - **Date:** **02/2015 - 02/2016**
 - Location:** Hargeisa, Somaliland

Company:	UN Habitat
Position:	Project Engineer, Water Supply
- Date:	06/2014 - 12/2014
Location:	Port Vila, Vanuatu, Pacific
Company:	Roughton International
Position:	Stormwater Project Engineer, Infrastructure
- Date:	10/2008 - 05/2014
Location:	Kenya, Nairobi
Company:	Egis International France
Position:	GIS Expert, Road Engineer
- Date:	03/2008 - 09/2008
Location:	Addis Ababa, Ethiopia
Company:	GTZ International Services
Position:	Project / Infrastructure Engineer
- Date:	11/2005 - 11/2007
Location:	Juba, South Sudan
Company:	GTZ International Services
Position:	Project / Contract Manager
- Date:	01/2005 - 10/2005
Location:	Aarbergen, Germany
Company:	Mabakon GmbH
Position:	Mechanical Engineer
- Date:	11/2003 - 03/2004
Location:	Kirberg, Germany
Company:	SLE - Consult
Position:	Civil Engineer
- Date:	10/2001 - 10/2003
Location:	Aarbergen, Germany
Company:	Municipality of Aarbergen
Position:	Civil Engineer, Architect
- Date:	04/1991 - 09/2001
Location:	Schiesheim, Germany
Company:	Blanche+Söhne Waterengineering
Position:	Sanitation, Civil Engineer, Architect
13. Professional Experience Record (Projects):	
- Date:	03/2019 - present Architecture
Location:	Chingola, Zambia
Company:	Nicholas O'Dwyer
Position:	Chief Design Engineer
Project:	Detailed Design and Construction Supervision of Water and Sewerage Networks in the Towns of Chingola, Chililabombwe and Mufulira. Contract No.(ZWS2/C4XD/C/001)
Client:	Mulonga Water Supply and Sanitation Company Ltd
Performed Activities:	Local Office Management. Liaison with the Client. GIS data inquiry and management. As built designs and water / sewer alignments layouts. New water facility designs.
- Date:	02/2018 - 02/2019 Architecture
Location:	Katzenelnbogen, Germany
Company:	BCM Waterengineering
Position:	Sanitation Project Engineer, Architect
Project:	Project Assistance WWTPs
Client:	Several
Performed Activities:	process and tender design, tender documents.

- Date:	09/2017 - 01/2018	Waste Water
Location:	Lusaka, Zambia	
Company:	CES Consulting Engineers Salzgitter	
Position:	Sanitation Engineer	
Project:	Design, Tendering, Evaluation and Contract Preparation on year 2-5 subprojects of the Lusaka Sanitation Program	
Client:	Lusaka Water and Sewerage Company - WB funded	
Performed Activities:	Design Coordination and Control Expert, Aerial Survey and Sewer Network Design Data Management for Part 1+2 Project Areas (400 km sewer network).	
- Date:	03/2016 - 08/2017	Waste Water
Location:	Katzenelnbogen, Germany	
Company:	BCM Waterengineering	
Position:	Sanitation Project Engineer, Architect	
Date:	09/2016 - 08/2017	
Position:	Team Leader	
Project:	Rehabilitation of the WWTP Limuru, Kenya	
Client:	Posch&Partner, WB Fund, NaMSIP Kenya	
Performed Activities:	Consultancy Services on Identification, Design and Supervision of Rehabilitation Works at the Limuru Sewerage Treatment Plant.	
Date:	08/2016 - 02/2017	
Position:	Sanitation Chief Designer	
Project:	WWTP Podgorica, Montenegro 150.000/200.000 P.E.	
Client:	Fichtner FWT, EU IPA Fund	
Performed Activities:	Architectural and building design under consideration of process/M&E requirements, drawings and charts with 3D visualization for Conceptual Design.	
- Date:	06/2016 - 07/2016	Roads
Location:	Germany	
Company:	Freelancer, Gitec Consult GmbH	
Position:	GIS, Mapping Expert	
Project:	Lao Rural Infrastructure Programme VII	
Client:	Lao German Financial Cooperation - KFW funded.	
Performed Activities:	Analysis of 700 km GPS Road data sets, processing and production of GIS based project maps for the Provinces of Khammouane and Savannakhet in Laos.	
- Date:	03/2016 - 05/2016	Architecture
Location:	Katzenelnbogen, Germany	
Company:	BCM Waterengineering	
Position:	Architect	
Project:	Office Building in Kirberg, Germany	
Client:	Private Building Construction	
Performed Activities:	Architectural and building design, tender documents and construction permits for an office building.	
- Date:	02/2015 - 02/2016	Water Supply
Location:	Hargeisa, Somaliland	
Company:	UN Habitat	
Position:	Project Engineer, Water Supply	
Project:	Hargeisa Urban Water Supply Upgrading Project	
Client:	Government of Somaliland - EU, SDF funded	
Performed Activities:	Project Management of the Construction of the new Water Transmission Pipeline, Pumping Station and Power Supply. Tender Review of the Well Field Collector Pipeline and the related Well Pumping Facilities. Design of the Extension of the existing Well Field. Project Data: Pipeline: 22km DN600 PN40, Pumping Station: 4 x 500 m ³ /h, Power Station: 6 x 1000 KVA Gen Sets.	
- Date:	06/2014 - 12/2014	Storm Water
Location:	Port Vila, Vanuatu, Pacific	

Company: Roughton International
Position: Project Engineer (Roads, Drainage, Sanitation), GIS Expert
Project: Port Vila Urban Development Project
Client: Government of Vanuatu - ADB, AusAid funded
Performed Activities: Review and Implementation of high quality aerial and lidar data for project use. Design Review of the drainage masterplan of Port Vila Town. Design Review of the Port Vila faecal sludge treatment plant. Design and tender preparation for storm water drains in Port Vila. Design and tender preparation for faecal sludge treatment plant. Upgrading the Public Urban Sanitation Facilities - Design, Tender and Build.

- Date:	10/2008 - 05/2014	GIS
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Several Projects	
Client:	Several Clients	
Performed Activities:	Highway Engineering / GIS, Survey and Mapping GIS, Map and Satellite Image Data Collection for East Africa. Build up of georeferenced Data Base for the undertaken Projects. Digitizing Road Tracks, Rivers, Catchments for GIS Usage, Preparation of Areal Scan and Photogrammetric Data for Highway Design Usage. Design Implementation in Maps, Satellite and Areal Image Drawings for Documentation and Presentation. Road Assessments with detailed, EXIF referenced Photo Documentation, Alignment Evaluation, Road Inventory, Resettlement Action Plans, Design Studies. Road Inventory including Catchment Analysis for Hydraulic Structures. Design of Irrigation Schemes, Canal Alignments and Water Distribution Systems.	
- Date:	11/2013 - 02/2014	Water
Location:	Kenya, Nairobi	
Company:	Egis International France / Egis Eau	
Position:	Expert, Water Engineer	
Project:	Greater Nairobi Waterworks / Ruiru II Dam, Pipeline, Storage and Water Treatment (Capacity: 65.000 m ³ /day, Storage: 10.500.000 m ³ , Catchment: 130 km ²)	
Client:	Government of Kenya, Nairobi Water Authorities	
Performed Activities:	Hydrological Evaluation of the Project Area, Area Catchment Studies, Location and Dimension of Dam Site, Predesign of Pipeline Alignment.	
- Date:	01/2014 - 02/2014	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Transport	
Project:	Mombasa-Nairobi-Kampala-Lake Albert Road Alignment Study for Transport and Logistic (1345 km). Access to the Oil Fields at the Eastern Lake Albert.	
Client:	Bolore Africa	
Performed Activities:	Data Collection (Sat Images, Maps and Elevation Models) for det. Linear Diagrams and Maps.	
- Date:	01/2013 - 01/2014	Rail
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Rail Road	
Project:	Northern Uganda Rail Road Corridor, Tororo-Mbale-Soroti-Lira-Gulu-Pakwach Rail Road Alignment Study (505 km). Upgrading to Standard Gauge.	
Client:	Uganda Rail Road Authorities	
Performed Activities:	Data Collection (Sat Images, Maps and Elevation Models) for det. Linear Diagrams and Maps.	
- Date:	11/2013 - 02/2014	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	Expert, GIS, Road Engineer	

Project: Supervision Services of the Works Contract for the Construction of Missing Link Roads and non-motorized Transport (NMT) Facilities in Nairobi-Kenya (75 km).
 Client: Government of Kenya, Kenya Urban Road Authorities (KURA)
 Performed Activities: Kataster, GIS, Satellite Data Collection, Road Design Implementation and Review, Tender Evaluation.

- **Date:** **08/2013 - 11/2013** Water

Location: Kenya, Nairobi
Company: Egis International France / Egis Eau
Position: Expert, Water Engineer

Project: Kisumu Watersupply / Kajulu Waterworks, Kibos River Dam and Hydro Power Plant (Capacity: 48.000 m³/day, Storage: 39.000.000 m³, Catchment: 120 km²)

Client: Government of Kenya, Kisumu Water Authorities
 Performed Activities: Hydrological Evaluation of the Project Area, Area Catchment Studies, Location and Dimension of Dam Site and Hydro Power Plant.

- **Date:** **10/2013 - 01/2014** Roads

Location: Kenya, Nairobi
Company: Egis International France
Position: Expert, GIS, Road Engineer

Project: Kenya Rural Roads Development Program, Labor based Road Maintenance in the Central Province, Nyeri (140 km).

Client: Government of Kenya, Kenya Rural Road Authorities (KERRA)
 Performed Activities: Road Inventory, Conditions Survey and Tender Preparation for selected Roads.

- **Date:** **08/2013 - 10/2013** Storm Water

Location: Kenya, Nairobi
Company: Egis International France / Egis Eau
Position: GIS Expert, Water Engineer, Drainage

Project: Greater Nairobi, Nairobi Urban Catchment and Stormwater Analysis, 500 km²:

Client: Government of Kenya, Kenya Urban Road Authorities (KURA)
 Performed Activities: Hydrological Evaluation of the Project Area. Area Catchment Studies, River Inventory, Urban Stormwater Drainage Inventory and Flood Mitigation. Proposal Data Collection.

- **Date:** **08/2013 - 09/2013** Rail

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Rail Road

Project: Interdisciplinary Land Use and Transport Metropolitan Analysis within Nairobi Town District. Main Rail Corridors (110 km), Metro Corridors (45 km) and Light Rail Corridors (38 km).

Client: Kenya Rail Road Authorities
 Performed Activities: Data Collection, Draft Design, GIS, Mapping and Presentation (Proposal Stage).

- **Date:** **07/2013 - 10/2013** Architectur

Location: Kenya, Nairobi
Company: Egis International France
Position: Civil Engineer, Architect

Project: Egis Kenya New Office Fitout, 300 m².

Client: Internal
 Performed Activities: Design, Tendering and Works Supervision of the new Egis Office Facilities in Nairobi.

- **Date:** **06/2013 - 07/2013** Roads

Location: Mozambique, Palma
Company: Freelancer
Position: GIS Expert, Road Engineer

Project: Anadarko, Liquid Gas Processing Plant - on shore drilling locations and access roads.

Client: Alistair Logistics Tanzania
 Performed Activities: 240 km Road Inventory, Conditions Survey and Tender Preparation for selected Roads and Locations.

- Date:	03/2013 - 06/2013	Oil
Location:	Kenya, Nairobi / Uganda, Kampala	
Company:	Egis International France	
Position:	Expert, GIS, Environmental Engineer	
Project:	Development, Construction and Transfer of the Kenya - Uganda Multi-Refined Petroleum Products Pipeline, Endoret - Kampala (350 km).	
Client:	PPP-Consortium: Eiffage, Morganti, Consolidated Contractors Company	
Performed Activities:	Data collection and analysis for of the Pipeline Corridor, Resettlement Planning, Infrastructure Assessment and Environmental Impact Studies. Site Assessment.	
- Date:	03/2013 - 04/2013	Roads
Location:	Juba, South Sudan	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Provision of Consulting Services for Supervision Services for the Periodic Maintenance and Spot Improvements on selected Roads. Magwi - Lobone, Amadi - Tali - Yiroi 240 km, Yei - New Lasu, Ras Olo - Maridi - Kozi Road 175 km Rural Road Rehabilitation.	
Client:	RSS, Ministry of Roads and Bridges	
Performed Activities:	Data Collection and Analysis of the Project Alignments, Linear Diagrams, Longsections, Structure Inventory, Proposal Design.	
- Date:	03/2013 - 04/2013	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Isiolo - Nginyang Road, Alignment Assessment for the Lapset Corridor (Lamu Port to South Sudan). Corridor for Pipeline, Railway and Road (430 km).	
Client:	Government of Kenya	
Performed Activities:	Data Collection and Analysis of the Project Alignment, Proposal Design. Site Assessment.	
- Date:	12/2012 - 01/2013	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer, Hydrology	
Project:	Lake Victoria Ring Road, Road and Structure Inventory, Upgrading the Rural Road Network (370 km).	
Client:	Government of Kenya	
Performed Activities:	Site Assessment, Data Collection and Analysis of the Project Alignment, Linear Diagrams, Proposal Design, Base Data for Inception Report for Consultancy Services.	
- Date:	05/2012 - 05/2013	Roads
Location:	Guinea, West Africa	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Beyla - N'zerekore Road, Road and Catchment Inventory, Upgrading from gravel to paved (bitumen) standards (130 km).	
Client:	PPP: Rio Tinto (Mining Company) , Sogea Satom	
Performed Activities:	Road Assessment. Data acquisition and processing of road details using Aerial Photography, Satellite Imagery, Moving Map Technology, GPS Exif located Photo Inventory. Road Catchment Definition and Analysis. Data Collection and Analysis for Road and Bridge Design, Resettlement Planning, Infrastructure, Detailed and Construction Design.	
- Date:	12/2012 - 01/2013	Water
Location:	Kenya, Nairobi	
Company:	Egis International France / Egis Eau	
Position:	GIS Expert, Water Engineer	
Project:	Mara River Basin Study, Western Kenya	
Client:	Government of Kenya, Kenya Water Authorities	

Performed Activities: Hydrological Evaluation of the Project Area, Area Catchments and River Studies. Area Mapping and GIS Data Base.

- **Date:** 11/2012 - 12/2012 Roads

Location: Kenya, Nairobi

Company: Egis International France

Position: GIS Expert, Road Engineer

Project: Supervision Services for the Replacement of Mbita Causeway to Bridge, Lake Victoria, Rusinga Island.

Client: Government of Kenya, Kenya Road Authorities.

Performed Activities: Road Assessment. Data Collection and Analysis of the Project Area, Proposal Design.

- **Date:** 10/2012 - 11/2012 Roads

Location: Kenya, Nairobi

Company: Egis International France

Position: GIS Expert, Road Engineer

Project: Kidatu - Lumecha Road Rehabilitation (500 km).

Client: Tanroads, Government of Tanzania

Performed Activities: Road Assessment. Data Collection and Analysis of the Project Alignment, Proposal Design.

- **Date:** 08/2011 - 09/2012 GIS

Location: Juba, South Sudan

Company: Freelancer

Position: GIS Expert, Infrastructure Engineer

Project: Draft Design Study for "Ramciel", proposed new Capital of South Sudan and Draft Design Study for "Juba", the Capital of South Sudan, Vision 2040, Town Development Study.

Client: RSS, Ministry of Housing and Physical Infrastructure

Performed Activities: Data acquisition and Evaluation of the Project Areas, Draft Design, Area Mapping and GIS Data Base.

- **Date:** 07/2012 - 08/2012 GIS

Location: Torit, South Sudan

Company: Freelancer

Position: GIS Expert, Infrastructure Engineer

Project: Detailed Mapsets (CDE Topographical, Robertson Geological, CDE GIS Data, SRTM) of Eastern Equatoria, Town Development Study Torit (2005-2013) and Hydrological Study of the Imatong Mountains, Nagichot Hills (Catchments, Watersheds) for the installation of decentralized Hydro Power Plants.

Client: Caritas, Swiss

Performed Activities: Data Collection, Catchment and Watershed Modeling, Map and GIS Assemblage

- **Date:** 05/2012 - 06/2012 Roads

Location: Kenya, Nairobi

Company: Egis International France

Position: GIS Expert, Road Engineer

Project: Ethiopia, Hawassa - Chuko Road Alignment Evaluation, 65 km.

Client: Internal

Performed Activities: Data acquisition and Evaluation of the Project Alignment, Area Mapping and GIS Data Base, Proposal Design.

- **Date:** 04/2012 - 05/2012 GIS

Location: Kenya, Nairobi

Company: Egis International France

Position: GIS Expert

Project: Kuwait City and Environment GIS Data Collection.

Client: Internal

Performed Activities: Data acquisition and Evaluation of the Project Areas, Area Mapping and GIS Data Base.

- **Date:** 09/2011 - 04/2012 Roads

Location: Kenya, Nairobi
Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Feasibility Studies, Detailed Engineering Design, Preparation of Bidding Documents, Estimates and Pre-Contract Services for Marich Pass - Lodwar Road (200 km).
Client: Government of Kenya
Performed Activities: Data acquisition and processing of road details using Aerial Photography, Satellite Imagery, Moving Map Technology, GPS Exif located Photo Inventory. Road Catchment Definition and Analysis. Data Collection and Analysis for Road and Bridge Design, Resettlement Planning, Infrastructure, Detailed and Construction Design.

- **Date:** **08/2011 - 02/2012** Water Dam

Location: Kenya, Nairobi
Company: Egis International France / Egis Eau
Position: GIS Expert, Water Engineer
Project: Consultancy services for feasibility study and detailed design of the High Grand Falls multipurpose dam development project on River Tana.
Client: Government of Kenya
Performed Activities: Layout and design of the Irrigation Scheme "Resettlement Area" (90 km²), Canal Alignment (45 km) and the Irrigation Scheme "Masalani" (160 km²), Canal Alignment (30 km), Detailed Design. Site Assessments.

- **Date:** **10/2011 - 11/2011** Roads

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Mauritius, Ports Louis Road Network Analysis 65 km.
Client: Internal
Performed Activities: Data Collection and Analysis of the Project Alignment, Proposal Design.

- **Date:** **08/2011 - 09/2011** GIS

Location: Kenya, Nairobi
Company: Freelancer
Position: GIS Expert, Infrastructure Engineer
Project: Remote Sensing Usage for Location of Potential Rock Catchment Areas, Analysis of the Dadaab Refugee Camp Location.
Client: Deutsche Welthungerhilfe
Performed Activities: Data acquisition and Evaluation of the Project Areas, Draft Design, Area Mapping and GIS Data Base.

- **Date:** **07/2011 - 08/2011** Roads

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Ghana, Accra - Takoradi Road Alignment 215 km.
Client: Internal
Performed Activities: Data Collection and Analysis of the Project Alignment, Proposal Design.

- **Date:** **02/2011 - 07/2011** TA Roads

Location: Rwanda, Kigali
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Technical Assistance to the Ministry of Roads (RTDA). All national unpaved Roads / Network Analysis (4000 km).
Client: Government of Rwanda, Ministry of Roads (RTDA).

Performed Activities: Data Collection and Analysis for the complete national unpaved Road Network. Inventory according IRI, Speed, Slope, Curving and Surface Analysis. Training of Engineers. Road Condition and Priority Mapping, Presentation and Documentation.

- **Date:** **02/2010 - 01/2011** Roads

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Feasibility Studies, Detailed Engineering Design, Preparation of Bidding Documents, Estimates and Pre-Contract Services for Upgrading of Kaya-Yei-Juba Road from gravel to paved (bitumen) standards. Preliminary and detailed design for 235 km Road and 20 km Town Bypass.
Client: Government of South Sudan, Ministry of Roads and Bridges

Performed Activities: Data acquisition and processing of road details using Aerial Photography, Satellite Imagery, Moving Map Technology, GPS - Exif located Photo Inventory. Data Collection for Road Design, Resettlement Planning, Infrastructure.

- **Date:** **10/2010 - 11/2010** GIS

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Infrastructure Engineer
Project: Jomo Kenyatta International Airport, Sat Image Data, Design Implementation.
Client: Internal

Performed Activities: Data acquisition and Evaluation of the Project Areas, Area Mapping and GIS Data Base.

- **Date:** **09/2010 - 10/2010** Water

Location: Kenya, Nairobi
Company: Egis International France / Egis Eau
Position: GIS Expert, Water Engineer
Project: Greater Nairobi Water Supply, GIS, Map and Sat Data.
Client: Internal

Performed Activities: Data acquisition and Evaluation of the Project Areas, Area Mapping and GIS Data Base.

- **Date:** **07/2011 - 08/2011** Bridges

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Feasibility Studies, Detailed Engineering Design, Preparation of Bidding Documents, Estimates and Pre-Contract Services for Kazangula Bridge and Cross Border Post. Zambia, Zimbabwe, Botswana, Namibia.

Client: Internal
Performed Activities: Data Collection and Analysis of the Project Area, Presentation Design.

- **Date:** **03/2010 - 04/2010** Roads

Location: Kenya, Nairobi
Company: Egis International France
Position: GIS Expert, Road Engineer
Project: Tanzania, Handeni - Singida Road Assessment 450 km.
Client: Government of Tanzania, Tanroads.

Performed Activities: Data Collection and Analysis of the Project Alignment, Proposal Design.

- **Date:** **01/2010 - 02/2010** GIS

Location: Kenya, Nairobi
Company: Freelancer
Position: GIS Expert, Infrastructure Engineer
Project: Lui Town Water Supply and Ohwa Dam Design Study (South Sudan).
Client: GTZ International Services

Performed Activities: Data acquisition and Evaluation of the Project Areas, Draft Design, Area Mapping and GIS Data Base.

- Date:	08/2009 - 11/2009	TA Roads
Location:	Botswana, Gaborone	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Technical Assistance to the Ministry of Roads, Road Network Evaluation of Southern Botswana (850 km).	
Client:	Government of Botswana, Ministry of Roads (MTC).	
Performed Activities:	Data acquisition and processing of road details using Viziroad, production of Schematic Linear Diagrams, processing of satellite imagery for onward transmission to the geometrical highway designers. Preparation of vector based Topograficaal Mapsets.	
- Date:	03/2009 - 01/2010	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Feasibility Studies and Detailed Design of Lot 1: The Arusha – Holili/Taveta – Voi Road (250 km) plus a 60km Southern Arusha Bypass.	
Client:	East African Community / Government of Kenya and Tanzania	
Performed Activities:	Responsible for the data acquisition and processing of road details using Viziroad, production of Schematic Linear Diagrams, processing of satellite imagery for onward transmission to the geometrical highway designers.	
- Date:	10/2008 - 02/2009	Roads
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Road Engineer	
Project:	Feasibility Study, Preliminary and Detailed Design of Kibwezi – Isiolo Road (420 km).	
Client:	Government of Kenya	
Performed Activities:	Responsible for the orthophoto restitution of the aerial photography (600 km length) using ERDAS software, production of DTM, contour lines for onward transmission to the geometrical highway designers.	
- Date:	10/2008 - 02/2014	GIS
Location:	Kenya, Nairobi	
Company:	Egis International France	
Position:	GIS Expert, Data Base Management	
Project:	Development of company's database regarding all Maps, Aerial Photos, Satellite Images, SRTM's, DTM's, Bathymetry and GIS Information.	
Client:	Internal	
Performed Activities:	Data extraction to provide instant, up - to - date information particularly used for Hydrology, Socio / Environmental Studies, Road Alignment and Design Studies. The Data Base includes various Topographical, Geological, Hydrological Mapsets for Africa / East Africa, Indochina and the Balkan. The Satellite Image Data Base covers the Area of Interest the executed Projects, detailed Town Sat Image Maps of East Africa. SRTM's (Africa and Indochina), DTM's (AOI Projects), Bathymetry (World) and GIS Information (Africa and Indochina). All Data are referenced and GIS Use ready.	
- Date:	03/2008 - 09/2008	Urban
Location:	Ethiopia, Addis Ababa	
Company:	GTZ International Services, Germany	
Position:	Project / Infrastructure Engineer, Architect	
Project:	UCBP, Design and Supervision of a University Capacity Building Projects (15 Universities, 10.000 Students each).	
Client:	Government of Ethiopia, Ministry of Education	

Performed Activities: Supervision of Construction of University Buildings in Cooperation with a certified Ethiopian Engineering Office. Design and Implementation of Infrastructure (Road design, Sewers, Water, Power and Wastewater Treatment Plants). Engineers on the Job Training. Consultation and Support of the Ministry of Education.

- Date:	12/2007 - 02/2008	Roads
Location:	Kenya, Nairobi	
Company:	Freelancer	
Position:	GIS Expert, Road Engineer	
Project:	Phased Rehabilitation of the South Sudan Rural Road Network (7000 km).	
Client:	Egis International France	
Performed Activities:	Preparation of a rural Roads Rehabilitation Program - Feasibility Studies, Design and Preparation of Bidding Documents for Phased Rehabilitation of about 7000 km of Rural Roads. Design of a South Sudan Road Map with updated Network by implementation of Satellite Imagery. Road Data Transfer into Geographical, Geological, Hydrological and Satellite Maps for Evaluation and Preparation of Tender Documents. Proposal Design.	
- Date:	11/2005 - 11/2007	Roads, Dams
Location:	South Sudan, Juba	
Company:	GTZ International Services, Germany	
Position:	Project / Contract Manager, Civil Engineer	
Project:	South Sudan Road and Dyke Rehabilitation Program	
Client:	Government of South Sudan, Multi Donor Trust Fund	
Performed Activities:	Supervision of a Road and Dyke Rehabilitation Project. Engineering works, Construction supervision, Site management. Calculation and Constructions Design for School Projects. Design and Construction of concrete culverts, drifts, rehabilitation of bridges, Bailey Bridge Execution. Consultation and support to the Government and NGOs. From 11.2005 to 04.2006 as Contract Manager for the Narus - Juba Road (360.00 km) Rehabilitation Project. From 05.2006 to 09. 2006 as Design Engineer for all GTZ IS South Sudan Construction Projects. From 10.2006 to 08.2007 as Contract Manager for the Bor - Mabior Road (180.00 km) and Dyke (70.00 km) Rehabilitation Project and the Mabior - Malakal Road (270.00 km) Rehabilitation Project. From 09.2007 to 11.2007 as Senior Engineer for the South Sudan Road (1000.00 km) and Dyke Rehabilitation Project.	
- Date:	01/2005 - 10/2005	Mechanical
Location:	Germany, Aarbergen	
Company:	Mabakon Gmbh	
Position:	Project Manager, Mechanical Engineer	
Project:	Acrylic glass raw product transport, storage and handling system.	
Client:	Degussa Röhm, Worms	
Performed Activities:	Design, execution and installation of mechanical transport and handling systems for the chemical industry. Basic and execution design with detail engineering. Construction and installation supervision.	
- Date:	11/2003 – 03/2004	Infrastructure
Location:	Germany, Kirberg	
Company:	SLE Consult	
Position:	Civil Engineer, Architect	
Project:	Several Projects	
Client:	Several Municipalities	
Performed Activities:	Municipality engineering / Infrastructure development Landscaping, Roadwork's, potable water networks, sewers systems, rehabilitation works and town development planning. Basic and execution design with detail engineering. Tender documents and project calculation. Construction supervision. Examination and release of bills. Consultation of the municipalities in technical questions.	
- Date:	10/2001 - 10/2003	Infrastructure

Location: Germany, Aarbergen
Company: Municipality of Aarbergen
Position: Civil Engineer, Architect
Project: Several Municipality Projects
Client: Municipality of Aarbergen
Performed Activities: Local administration / Building department
 Operation, maintenance and rehabilitation of the buildings, roads, sewer, and water supply of the municipality. Cost estimation, tender documents, offers and financing of the building projects. Supervision of engineer's offices and construction companies. Examination and release of payments. Environmental protection representative and safety coordinator of the municipality. Office support of citizen questions, requirements, demands and other interests. Consultation of the mayor in technical questions. Participation in meetings, in site inspections and at other municipality activities.

- Date:	04/1991 – 09/2001	Infrastructure
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Civil Engineer, Architect	
Project:	Several Projects	
Client:	Several Clients	
Performed Activities:	Municipality projects / Infrastructure Landscaping, road works, potable water networks, sewers systems, power distribution and communication networks. Bill of quantities and project calculation. Basic and execution design with detail engineering. Construction supervision. Water and waste water treatment plants Subcontractor of Passavant Werke and Roediger Anlagenbau. Process technology, bill of quantities and project calculation. Basic and execution design with detail engineering. Civil design, electro and mechanical engineering. Elaboration of project documentation and training documents. Construction supervision. Private projects / Architecture Bill of quantities and project calculation. Basic and execution design with detail engineering. Construction supervision.	

List of Projects:

- Date:	1994 - 2001	Architecture
Location:	Germany, Schiesheim	
Company:	Freelancer, Architect	
Position:	Architect	
Project:	Several private residential projects	
Client:	Neumann, Haas, Gasteier, Rau, Weyl, Rosch, Schön, Köster	
Performed Activities:	Design, BoQ, Construction Permits and project coordination.	
- Date:	2000 - 2001	Architecture
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Civil Engineer, Architect	
Project:	Rehabilitation of Mechanical Workshop, Office and Storage Facilities	
Client:	mabakon GmbH, D - 65326 Aarbergen, Untig Mühl	
Performed Activities:	Factory Building, Architectural services for permission and project management for the rehabilitation of a factory building for a mechanical workshop.	
- Date:	2000 - 2001	Roads
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Civil Engineer	
Project:	Residential areas "Auf dem Röhling II" and "Im Schiebenacker II"	
Client:	Municipality of Hahnstätten, D – 65623 Hahnstätten	

Performed Activities: Final completion of two development areas (roads, pavement, plants), tendering and supervision works.

- Date:	2000	WWTP
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Civil Engineer	
Project:	WWTP Tengzhou and WWTP Jining / China.	
Client:	Passavant Maschinenteknik GmbH, Aarbergen	
Performed Activities:	Execution design for the mechanical treatment facilities. Preparation of workshop drawings, coordination with mechanical design.	
- Date:	2000	WWTP
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Civil Engineer, Architect	
Project:	WWTP Abuja / Nigeria	
Client:	OMS Kläranlagen GmbH, Wiesbaden	
Performed Activities:	Tender Design drawings for WWTP Abuja / Nigeria, acc. To FIDIC Yellow Book.	
- Date:	1998 - 1999	Urban
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Civil Engineer, Architect	
Project:	Urban development planning "Hinterm Dorf II", Schiesheim	
Client:	Municipality of Hahnstätten, D – 65623 Hahnstätten	
Performed Activities:	5 ha (old village and new building area); Application for permission; Infrastructure design for water supply, sewers and roads for the new area, Final tender design and detail engineering for phase 1, tendering and work supervision, check and audit of invoices.	
- Date:	1997 - 1998	WWTP
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Design Engineer	
Project:	Several Waste Water Treatment Plants	
Client:	Passavant Maschinenteknik GmbH, Aarbergen	
Performed Activities:	Team Leader of design team for the design drawings for the technical proposal to the following FIDIC Yellow Book tenders: WWTP Schiffflange (L), WWTP Ameal and WWTP Penice (P), WWTP Saftet and Al Bireh (Palestine) as well as for a prefeasibility study of WWTP Temesvar (RO).	
- Date:	1997 - 2000	WWTP
Location:	Palestine, Ramallah	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Project Manager, Chief Designer	
Client:	Passavant Maschinenteknik GmbH, Aarbergen	
Performed Activities:	Project Management for the execution design, detail engineering and procurement, civil / infrastructure / architectural and mechanical (piping) design for the revised alternative proposal. Team leader of the contractors design team. Project supervision, as build documentation and organisation of contractor O&M documentation.	
- Date:	1997 - 1999	WWTP
Location:	Germany, Schiesheim	
Company:	Blanche+Söhne Water engineering GmbH	
Position:	Consultant, Project Manager, Chief Designer	
Project:	Wastewater Treatment Plant "Sirte", Lybia.	
Performed Activities:	Execution design and detail engineering, civil and mechanical (piping) design incl. as build documentation and organisation of Contractors O&M documentation.	
- Date:	1997 - 1998	WWTP
Location:	Germany, Schiesheim	

Company: Blanche+Söhne Water engineering GmbH
Position: Consultant, Project Manager, Chief Designer
Project: WWTP Ain Zara / Tripolis, Lybia (600,000 P.E.).
Client: Passavant Maschinenteknik GmbH, Aarbergen

- Date: **1997** WWTP

Location: Germany, Schiesheim
Company: Blanche+Söhne Water engineering GmbH
Position: Consultant, Project Manager, Chief Designer
Project: Waste Water Treatment Plant "Decin", Czech Republic (60,000 P.E.).
Client: Passavant Maschinenteknik GmbH, Aarbergen
Performed Activities: Contractors design proposal (drawings & documentation) based on FIDIC Yellow Book (IKSE - Programme).

Location: Germany, Schiesheim
Company: Blanche+Söhne Water engineering GmbH
Position: Consultant, Project Manager
Project: Road and Sewer Rehabilitation Project "Schaumburger Strasse"
Client: Municipality of Hahnstätten, D – 65623 Hahnstätten
Performed Activities: Redevelopment sewer ND 300. Final & tender design, tendering and works supervision, check and audit of invoices.

- Date: **1995** Urban

Company: Blanche+Söhne Water engineering GmbH
Position: Consultant, Project Manager
Project: Residential area "Auf dem Röhling II", Mundershausen
Client: Municipality of Hahnstätten, D – 65623 Hahnstätten
Performed Activities: Infrastructure design for water supply, sewers and roads, Final tender design and detail engineering, tendering and works supervision, check and audit of invoices.

- Date: **1991 - 1994** WWTP

Location: Germany, Schiesheim
Position: Consultant, Project Manager, Chief Designer
Project: Waste Water Treatment Plant "Samokov", Bulgaria (60,000 P.E.).
Client: Passavant Maschinenteknik GmbH, Aarbergen
Performed Activities: Secondary treatment plus chemical treatment, Project Management for execution design, detail engineering and workshop design, civil / infrastructure / architectural and mechanical (piping) design. Team leader of contractors design team. As build documentation and organisation of Contractors O&M documentation.

14. Others (e.g. Publications):

Methodology of Monitoring the Quality of Unpaved Roads for the CPAF Evaluation - April 2011 / Kigali, Rwanda

15. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any misstatement described herein may lead to my disqualification or dismissal, if engaged.



30 / 08 / 2019

(Signature of staff member or authorized representative of the staff)

Day / Month / Year