

CURRICULUM VITAE

Name: Karsten Galipp
Company: INROS LACKNER SE
Years within Firm: 10
Profession: Dr.rer.nat Geologist, Hydrologist
Years of Experience: 20
Nationality: German **Date of Birth:** 08.03.1971



Language Skills:	Language	Reading	Writing	Speaking
	English	excellent	excellent	excellent
	French	fair	fair	fair
	German	native speaker	native speaker	native speaker

Proposed Position in Team:

Key Qualifications:

Expertise in the fields of soil mechanics, hydrogeology, hydrology, engineering geology, design, organising and tendering of contaminated land and geotechnical field investigations

Sound experience in project and site management, incl. responsibility for technical, contractual and commercial matters; interface between project direction and stakeholders (e.g. clients, authorities, site supervisors, consulting engineers and architects); quality assurance; time management; cost estimate and controlling; co-ordination of own personnel and sub-consultants/sub-contractors; documentation; project accounting etc.

Special expertise in port master planning and feasibility studies

Education:

2002 - 2005	Doctorate in Earth Sciences (Petrology and Geochemistry) University of Bremen / Germany Dr.rer.nat.
2001 - 2006	Faculty for Civil Engineering and Geodesy University of Hanover / Germany M.Sc. Hydrology
1992 - 1999	Geology Technical University of Clausthal-Zellerfeld / WITS University J'burg / University of Bremen Graduate Geologist (Dipl.-Geol.)

Further education:

07.11.2018	Technical Seminar about Geotechnics - Planning, Survey and Assessment of Micropiles according to DIN EN 14199 Standard Friedr. Ischebeck GmbH, Oldenburg / Germany
19.06.2018	FIDIC Update – Red Book 2017 & Yellow Book 2017 INROS LACKNER, Hamburg / Germany
04.11.2016 - 05.11.2016	Advanced FIDIC Training INROS LACKNER, Bremen / Germany

Project:

- 20.04.2016 - Homogeneous Areas - New German Building Contract Terms VOB/C
IHR - Herold & Partner Ingenieure, In-House-Conference
- 01.08.2014 An Overview of Contracts - British-American Contract
Stuard G. Bugg
- 26.07.2013 MS Word 2007 - Processing Big Data
Academy for Professional Development of Bremen / Germany
- 01.05.2013 An Introduction to the challenges of acquisition and interpretation of geological,
environmental, geophysical, geotechnical and geospatial data for the offshore
renewables industry
Fugro Renewable Services, Hamburg / Germany
- 01.03.2013 Technical Seminar : "Stell Sheet Pile Wall"
iro/ArcelorMittal, Oldenburg / Germany
- 29.10.2010 - FIDIC's Terms of Construction (Red and Yellow Books)
30.10.2010 In-House-Conference of Dr. jur. Götz-Sebastian Hök, Bremen / Germany
- 01.01.2007 Applied Groundwater Modelling with the software Processing MODFLOW (PMWIN)
Summer University of Bremen / Germany
- 01.01.2006 Asbestos Awareness Training
Ethos Environmental
- 01.01.2003 Geostatistic in Hydrogeology and Environmental Protection
Summer University of Bremen / Germany

Experience Record:

- 2013 - INROS LACKNER SE
Bremen / Germany
Head of Department Anglophone Africa
- 2008 - 2013 INROS LACKNER AG
Bremen / Germany
Project Manager
- 2006 - 2008 WA Fairhurst & Partners
Aberdeen / Schottland
Engineering Geologist
- 2005 - 2005 Ingenieur-Dienst-Nord, GmbH
Oyten / Germany
Freelancer
- 2002 - 2005 University of Bremen, Faculty of Earth Sciences, Working Group Petrology of the
Ocean Crust
Bremen / Germany
Research Associate
- 2000 - 2001 Dorsch Consult Ingenieurgesellschaft GmbH
München / Germany
Manager of the Foundation Engineering Laboratory
- 1999 - 2000 IFB Eigenschenk GmbH
Deggendorf / Germany
Engineering Geologist
- 1997 - 1997 Geological Survey of Namibia
Windhoek / Namibia
Student Assistant

Employment Records:

- Since 2008** **INROS LACKNER SE, Bremen / Germany**
Project Manager / Regional Director (since 2014)
- Since 08/2018 **Lake Tanganyika Port Access Safety on navigation improvement**
Function: Geotechnical Engineer
Description: The main objective of the assignment is the preparation of a contracting strategy including bid documents for a dredging campaign that increases the water depths at the ports of Bujumbura, Rumonge, Kigoma, Karema, Mpulungu, Kasanga, Kalemie and Kalundu to facilitate the economic transportation of goods and passengers by optimally sized lake vessels.
Client: The World Bank
- Since 04/2018 **Port of Mtwara, Construction of a Berth and Land Reclamation / Tanzania**
Function: Project Manager
Description: Construction of a 300 meters long berth and land reclamation of 80,000 m² to improve the storage capacity.
Contract management, design review and supervision of construction works.
Client: Tanzania Ports Authority
- Since 6/2017 **Port of Dar es Salaam, Design Review and Supervision of Berth 1-7 Modernization Works / Tanzania**
Function: Project Manager
Description: Construction of a RoRo-terminal, deepening and strengthening of berths 1-7.
Project Management in accordance with the ENAA contract, design review of the contractor's design and construction supervision of the works.
Client: Tanzania Ports Authority
- Since 7/2016 **Construction of Bukasa Port / Uganda**
Function: Port Marine Engineer
Description: Preparation of a master plan and preliminary design for the development of a new port on Lake Victoria, to improve the connection of Uganda via the central corridor route to the sea ports of Dar es Salaam and Tanga in Tanzania
Client: Ministry of Works and Transport of Uganda
- Since 6/2016 **Corridor between Bandajuma and the Liberian border - Construction of a road and three bridges / Sierra Leone**
Function: Project Director
Description: Construction of a 100 km long bituminous road from Bandajuma to the border of Liberia and three bridges (reinforced concrete foundation and steel superstructure)
Client: National Authorising Office - Ministry of Finance and Economic Development
- Since 12/2013 **Mombasa Port - Rehabilitation Works / Kenya**
Function: Project Manager
Description: Inspection of existing structure, structural design, design of port facilities, deepening of quay wall, improvement of cargo handling
Client: Kenya Ports Authority

1/2016 – 3/2018	<p>Iron Ore Mines at Gara Djebilet - Infrastructure development / Algeria <i>Function:</i> Project Director <i>Description:</i> Technical assistance for 5 lots: Lot 1: Review of existing studies and situational analysis (water, gas, electricity, railway, port, etc.). Lot 2: Preparation of bill of quantities for a bankable feasibility study Lot 3: Monitoring of building management system (BMS) and evaluation of reports Lot 4: Evaluation of resources Lot 5: Monitoring <i>Client:</i> DMT Consulting GmbH</p>
10/2016 – 08/2017	<p>Dar es Salaam Port, PIP Study / Tanzania <i>Function:</i> Project Manager <i>Description:</i> Objectives are to identify sustainable performance improvement measures and a roadmap approach to implement effectively the measures. This has been carried out by the following steps: 1. Assessment of TPAs existing performance 2. Definition and proposal of meaningful KPIs to measure performance of service 3. Conducting a survey to measure actual operational performance data 4. Analysis of the collected survey data 5. Providing a software tool for recording and analysis of monitored process data <i>Client:</i> Tanzania Ports Authority</p>
8/2016 – 7/2017	<p>Port of Dar es Salaam - Rail Connection / Tanzania <i>Function:</i> Project Manager <i>Description:</i> Modernisation of the rail networks of the Dar es Salaam Port and the Ilala and Isaka inland container depots. Preparation of traffic forecast and new layout of rail tracks, tender documents for the container handling equipment, rail track and road infrastructure and container storage area. <i>Client:</i> Reli Assets Holding Company Ltd.</p>
1/2017 – 5/2017	<p>Master Plan of the Ports of Nigeria <i>Function:</i> Project Director <i>Description:</i> Technical and economic due diligence of a master plan for the construction of ports in Nigeria <i>Client:</i> Nigerian Ports Authority</p>
2/2016 - 12/2016	<p>Onshore and Offshore Ground Investigation at the Port of Mombasa <i>Function:</i> Project Manager <i>Description:</i> Design tendering of onshore and offshore ground Investigation comprising 100 boreholes up to a final depth of 50m bgl inclusive geotechnical and chemical laboratory testings. Assistance during contract negotiations and contract Award. <i>Client:</i> Kenya Ports Authority</p>
4/2016	<p>Port of Conakry - Review of Feasibility Study for the Bauxite Handling <i>Function:</i> Cost Estimate <i>Description:</i> Phase 1: Land reclamation in the Eastern zone of the port Phase 2: Construction of a new quay facility in the Northern terminal zone <i>Client:</i> Forward Africa Resources S.A. (FAR)</p>

Project:

2/2016 – 4/2016	Telimele - Conakry - Transportation and handling of bauxite <i>Function:</i> Project Director <i>Description:</i> Feasibility study for the handling of bauxite Elaboration of options for land reclamation (approx. 10 ha.), development of technical handling solutions, layout planning, estimation of investment amounts and operating costs <i>Client:</i> Eloft Group Ltd.
11/2015 - 10/2016	Port of Conakry, Bankable Feasibility Study <i>Function:</i> Project Director <i>Description:</i> Bankable feasibility study about the handling of bauxite including the inspection of the harbour facilities (quay wall, storage area, aids to navigation, dredging works) <i>Client:</i> DMT Consulting Limited
8/2015 - 1/2016	Atuabo Free Port - Technical Due Diligence <i>Function:</i> Project Director <i>Description:</i> Development of an oil and gas handling port (ca.8000 m ²) as a free handling zone including offshore logistics areas, repair yard for oil platforms and vessels, business technology park, approach channel (- 18,5 m.), dredging works, land reclamation, quays, breakwater, aids to navigation, flight landing runway, infrastructure. Technical Due Diligence (check of design, performance, costs, time schedule, project contracts, permits and licences, financial documentation), construction monitoring <i>Client:</i> confidential
7/2015 - 9/2015	Philippine Global Gateway, Sangley <i>Function:</i> Project Director <i>Description:</i> Independent check of master development plan for the infrastructure project "Philippine Global Gateway" in the Bay of Manila. The master development plan comprises the development of three artificial islands of approx. 4,100 ha in total by land reclamation for the construction of a seaport, an airport and a special economic zone (SEZ). <i>Client:</i> CFP STRATEGIC TRANSACTION ADVISORS, INC
5/2014 - 12/2014	Mombasa - Construction of Chamgamwe Inland Container Depot (ICD) <i>Function:</i> Project Director <i>Description:</i> Preparation of a technical due diligence during the construction. Registration of structural condition, review of the services to FIDIC Red Book's requirements, consulting for execution of clearing structural defects <i>Client:</i> APM Terminals International B.V. Den Haag
10/2014 - /	Ports of Porto Amboim and Luanda - Ground Investigation <i>Function:</i> Geologist <i>Description:</i> Ground investigations for the construction of breakwater, quay wall and container terminal and dredging works <i>Client:</i> Sociedade Gestora de Terminais S.A.
5/2013 - 4/2014	Ferry Terminals on Lake Volta - Feasibility Study <i>Function:</i> Project Director <i>Description:</i> Rehabilitation and eventual extension of ferry terminals on Lake Volta. Feasibility study with on-site analysis, draft design, preliminary design, preparation of tender documents <i>Client:</i> Ministry of Transport

Project:

- 11/2010 - 6/2013 **Port of Freetown, Rehabilitation Works**
Function: Project Manager
Description: Construction supervision for four construction contracts: 1. Dredging works, 2. Supply and installation of aids to navigation, 3. Rehabilitation of a quay wall, 4. Supply and installation of environmental protection facilities (oil and bilge separators)
Client: SLPA
- 6/2012 - 5/2013 **Port of Dar Es Salaam - Modernisation of Berths 1 - 7, Part A: Deepening and Strengthening**
Function: Project Coordinator
Description: Deepening of the harbour approach and turning basin and the construction of a new RoRo terminal
Technical and financial feasibility study
Site inspection, assessment of condition, nautical study, bathymetric measurements, structural design, cost estimates, preliminary study for environment compatibility testing
Client: Tanzania Ports Authority
- 5/2012 - 5/2013 **Port of Dar Es Salaam - Modernisation of Berths 1 - 7, Part B: Improvement of Cargo Handling Operation and Port Layout**
Function: Project Coordinator
Description: Technical and financial feasibility study for further development of the port layout incl. infrastructure, buildings, cargo-handling operation, cost estimates, PPP study, logistics study and preliminary study for environmental assessment
Client: Tanzania Ports Authority
- 2/2012 - 2/2013 **Port of Porto Amboim - Port Development Study**
Function: Project Engineer
Description: Development of a multipurpose port with commercial and industrial terminal as well as a passenger terminal
Expertise, layout design, port masterplans, cost estimate
Client: Confidential
- 9/2010 - 12/2012 **Lake Kyoga - Creation of a Ferry Link**
Function: Project Manager
Description: Planning, tendering and on-site supervision of works linked with the construction of three berthing facilities, including land-based equipment and ferry-boat repair
Client: Ministry of Works and Transport
- 4/2012 - 7/2012 **Ferry Link Between the North and South Coast of Timor-Leste**
Function: Geologist (Site supervision and ground Investigation)
Description: Design of a new ferry link
Feasibility study incl. site inspection, investigation of foundation, geotechnical, topographic and hydrographic survey, comparison of solution variants, preliminary design of ferry terminals and breakwaters, social and environmental impact assessment
Client: KfW, German Reconstruction Loan Corporation

- 3/2011 - 2/2012 **Port of Praia - Extension and Modernisation Works**
Function: Project Manager (Phase II)
Description: Construction of a logistics centre, rehabilitation of wharfage (225m) and pavement, demolition of older storage houses (10.000m²) and construction of a new one, infrastructure development (incl. electrical network, transformer station and water supply), construction of approach and connection roads between logistics centre and harbour (2,5 km, 10% escarpment), coastal protection
Technical assistance to preparation of detailed design, to procurement incl. environmental impact, site supervision
Client: MCA Cape Verde
- 9/2011 - 11/2011 **Sierra Leone - Identification of Potential Sites for a LNG Terminal**
Function: Project Manager
Description: Identification of possible coastal locations for the siting of an oil terminal, including desk study, design plan, site inspections and initial bathymetric and topographic measurements
Client: SLPA
- 7/2010 - 1/2011 **S.I.O.T Marine Facilities - Mooring Study**
Function: Project Manager
Description: Development of a moorings plan, assessment of existing facilities, generation of a range of variants for equipping the existing facilities
Client: SIOT
- 8/2008 - 6/2010 **Port of Luanda - Container Terminal Rehabilitation**
Function: Project Manager
Description: Rehabilitation of 14 hectares of the port's operational area, a 550-metre long caisson-type quay, construction of buildings and infrastructure
Client: Confidential
- 8/2008 - 6/2010 **Port of Conakry, Rehabilitation and Extension Measures**
Function: Project Engineer
Description: Rehabilitation and extension of the electric facilities and the supply of drinking and firefighting water, construction of two pressure rising plants, a building for the harbour direction, parking for trucks and an additional approach to the container terminal, renewal of the maritime shipping signs, miscellaneous measures for the heightening of the port security against fire and oil drippings.
Client: Autonomous Port of Conakry
- 9/2009 - 4/2010 **Port Development Plan for Nigerian Ports**
Function: Project Manager
Description: Preparation of a 25-year master plan, tendering and contractor commissioning services, participation during bid evaluation, award of contract and contract negotiation
Conceptual design, preliminary design, preparation of tender documents, preparation of contract documents, bid evaluation, participation in contract negotiations, assistance in award of contract
Client: NPA Lagos

Project:

- 8/2008 - 12/2009 **Port of Pointe Noire - Port Rehabilitation**
Function: Project Engineer
Description: Rehabilitation and extension of Quay G, rehabilitation and extension of the container terminal storage surfaces, construction of a cargo handling area for hinterland traffic, extension of the existing breakwater, construction of a timber yard by hydraulic filling, rehabilitation of berths (quay D and mole 1), rehabilitation and extension of the power and potable water supply systems, construction of a water tower, construction of three roads within the port area
Client: Autonomous Port of Pointe-Noire
- 8/2008 - 3/2009 **Port Bin Qasim - Bulk Cargo Terminal**
Function: Project Engineer
Description: Construction of a cargo terminal for grain and fertilizer
Feasibility study, layout design, tender documents, analysis of the construction designs, site supervision, contract Management (FIDIC Yellow Book), Services after construction taking over
Client: FAP
- 8/2008 - 12/2008 **Karachi (KSEW) Shipyard, Rehabilitation Works**
Function: Project Engineer
Description: Rehabilitation and extension of a shipyard, including major rehabilitation of concrete structures, remodelling/renewal of the infrastructure (construction, electricity, and mechanics), rehabilitation of a quay wall about 670 m, repair ensuring the buoyancy safety of two dry docks, construction of a ship lift and adjacent workstations.
Assessment of existing structures and materials, preliminary and detailed design, preparation of tender documents, award of contract (FIDIC Red and Silver Books)
Client: Karachi Shipyard & Engineering Works Ltd.
- 2006 – 2008** **WA Fairhurst & Partners, Aberdeen / Scotland**
Project Engineer
- 2008 **Gas Valve Replacement Project, St. Fergus Gas Terminal, Peterhead / Scotland**
Conceptual design, site supervision, design of crane foundation
Project Engineer
- 2007 – 2008 **Proposed Development Craighall Lodge, Ellon / Scotland**
Elaboration of tender documents for the ground investigation, investigation reports including earthworks and foundation design
Project Engineer
- 2006 – 2008 **Proposed Mixed Development at the Former Inverurie Locomotive Works, Inverurie / Scotland**
Preparation of tender documents for the ground investigation, site supervision of the intrusive investigation (150 cable percussion boreholes) and remediation measures, prepared and issued site investigation reports including hydro-geological modelling and environmental risk assessment
Project Engineer
- 2006 – 2008 **Geo-Environmental Division, Aberdeen / Scotland**

Desk Top Study, feasibility study, tendering of subsoil investigations and elaboration of expert opinions for the following projects:
PPG Altens/Aberdeen, Silvertress/Aberdeen, Thornhill Farm, Forres/Moray, Blackhall Road, Inverugie/Aberdeenshire, Cornhill Hospital/Aberdeen, O.I.L. Engineering, Altens/ Aberdeen, Cumbernauld/Glasgow, East Huxterstone, Westhill/Aberdeenshire, Ferguson Modular, Inverugie/Aberdeenshire, Howe Moss Avenue, Dyce/ Aberdeenshire, FH1 & FH3, Inverbervie/ Aberdeenshire, Keillor Building/Dundee
Project Engineer

- 2007 **Coastal Erosion Assessment, Fairneyhill / Scotland**
Detailed mapping of the coastal cliffs, design of shoreline protection measures
Project Engineer
- 2007 **Capping Construction Works Easter Hatton Landfill, Easter Hatton / Scotland**
Easter Hatton (Aberdeen) Landfill Site
Overall responsibility for the quality control of the capping construction works, preparation of QA documents
Resident Engineering Geologist
- 2006 – 2007 **Proposed Development Schoolhill Portlethen, Portlethen / Scotland**
Preparation of tender documents, site safety planning, site supervision; investigation reports including earthworks design and foundation design for a site covering an area 93 ha
Project Engineer
- 2006 – 2007 **Proposed Development at the Former New Park School, St. Andrews, Angus / Scotland**
Preparation of site investigation reports including earthworks and foundation design and environmental risk assessment
Project Engineer
- 2005 **Ingenieur-Dienst-Nord, Oyten / Germany**
Project Engineer
- 2005 **BUGA 2009, Schwerin / Germany**
Development of renaturation concepts for a lake in Schwerin (Northern Germany), creation and design of bank slope securing schemes, implementation of local reconnaissance for the fate of contaminated excavated material in close collaboration with the local authorities
Project Engineer (Freelancer)
- 2002 – 2005 **Bremen University, Earth Science Department / Germany**
- 2002 – 2005 Reconstruction of the geochemical environment of La Palma (Canary Islands); planning and organisation of field trips and sampling programs; supervision of students in microscopy courses of igneous rock
Research Associate
- 2000 – 2001 **Dorsch Consult Ingenieurgesellschaft, Munich / Germany**
- 2001 **Berlin-Lubmin Pipeline / Germany**
Organisation and implementation of ground investigations for a 210 km long gas pipeline from Berlin to Lubmin (Baltic Sea)
Project Engineer
- 2000 – 2001 **Various Projects / Germany**
Organisation and execution of site investigations (rotary & cable percussion drilling, terrier rig drilling, trial pitting), realization of all kinds of rock and soil laboratory tests
Laboratory Manager

- Galipp, K., Klügel, A., Johansen, T.S. :** 2005
“Petrogenesis and mantle source of lavas from La Palma (Canary Islands): implications for plume-lithosphere interaction and apatite assimilation”
In: EUG-Assembly Vienna, poster presentation
- Klügel, A., Hansteen, T.H., Galipp, K.:** 2005
“Magma storage and underplating beneath Cumbre Vieja volcano, La Palma (Canary Islands)”
In: Earth and Planetary Science Letters, 236, 211-226
- Galipp, K., Klügel, A., Hansteen, T.H.:** 2003
“Magma transport beneath La Palma: inferences based on fluid inclusion and mineral-melt barometry”
In: EUG-EGU Joint Assembly Nice, oral presentation
- Galipp, K., Schwarz, S., Klügel, A.:** 2003
“A comparison of two northeastern Atlantic rift systems with Hawaiian rift systems”
In: AGU Fall Meeting San Francisco, oral presentation
- Galipp, K., Klemd, R., Hirdes, W. :** 2002
“Metamorphism and geochemistry of the Paleoproterozoic Birimian volcanic Sefwi Belt (Ghana, West Africa)”
In: Geological Year Book, G111, 151-191
- Galipp, K. and Klemd, R.:** 2000
“Metamorphism of the Paleoproterozoic (Birimian) volcanic Sefwi Belt, Ghana”
In: Journal for Applied Geology, 46 (4), 235-237