
Name:	Heiner Muller
Profession / Specialisation:	Geometric Design and Project Management Professional Civil Engineer Construction Management Geometric Engineering Project Management
Nationality:	South African
Years Experience:	20 Years
Professional Reg.:	Pr Eng (Engineering Council of South Africa)



KEY QUALIFICATIONS

Heiner has more than 16 years of post-graduate experience in civil engineering related infrastructure projects. His technical skill set includes the geometric design and Civil 3d Modelling of roads, airports and other infrastructure with a good understanding of engineering policies, specifications and standards.

Heiner Müller is a professional Engineer specialising in geometric design. He has 16 years' experience in the geometric design and modelling of roads, airports and earthworks. He has an in-depth knowledge of Civil 3D which is utilised to complete complex modelling scenarios.

His duties include project management, conceptual, preliminary and detail design, preparation of detail drawings and BoQs and compiling of tender bid documentation and site supervision.

Heiner's key skills include:

- Design Management
 - Geometric Roads, platform and Highways Design
 - Ability to identify project/design problems early, prioritise and solve problems
 - Autodesk Civil 3d Modelling of earthworks and corridors
 - Contract Documentation and Bills of Quantities
 - Contract Management
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EXPERIENCE FOOTPRINT

Heiner has completed road, airport, and mine designs in various countries in Africa including Ghana, Sierra Leone, Botswana, South Africa, Principe Island etc. as well as England

EXPERIENCE RECORD

These are certain of the contracts that Heiner has undertaken:

Mining:

- **Nurizon - Black Chrome Mine**

Design engineer responsible for the detail design and modelling of the tailings dam, coarse dump and Pollution Control Dam (Completed)

- **Gestion Consulting - Switchback Haul Road**

Engineer responsible for the geometric design of a switchback haul road for a new mine

- **VBKom – Zandheuvel Project**

Project Engineer responsible for the BFS infrastructure design for a new mine in the Western Cape. The designs include all structures, roads and platforms, geotechnical engineering, and CAPEX and OPEX models.

- **Anglo American Platinum**

Project Manager responsible for overseeing the feasibility design (detail designs) for the upgrading of an existing tailings line and related electrical upgrades.

- **Afritin – Namibia Phase 2 PEA**

Design Engineer responsible for the preliminary layouts, designs, and pricing for all the earthworks and infrastructure related to the phase 2 mine for the Phase 2 PEA.

- **EHL – Mortimer Smelter**

Design Engineer responsible for the geometric design of new roads and platforms for a new modular sub-station and Anglo's Mortimer smelter.

- **VBKom – Iron Ore Plant PFS**

Engineer responsible for the layouts, design and costing of all earthworks, roads, and stormwater related infrastructure for a new DMS plant.

- **Alufer Mining - Bauxite Mine Scoping Study, Boffa, Guinea**

Engineer responsible for civil and structural infrastructure design and drawings, including mining infrastructure, railway line and related harbour infrastructure, producing a scoping study report and associated capital and operational expenditure models based on different mining production scenarios.

Aviation:

- **APS Engineering - Design of new helistop at Nelson Mandela Children's hospital**

Engineer responsible for the design and aviation approvals for a new rooftop helistop

- **De Beers – Venetia Mine Runway**

Design Engineer responsible for the paint marking designs for the upgrade at Venetia mine's runway.

- **Iliso – Lusaka City Airport**

Project Engineer responsible for the geometric layouts and designs, including all the ICAO compliance verifications and paint marking designs. The project consisted of the upgrading and lengthening of the runway, taxiways, and a new apron.

- **Contracta – Kumasi International Airport**

Design engineer responsible for the design of all landside and airside elements including runway extension, new apron and taxiway, relocation and earthworks for the new terminal building and the new **landside access and** service roads with parking facilities.

- **Aurecon – OR Thambo Aircraft stand reconfiguration**

Design Engineer responsible for the geometric design and modelling with all related paint markings for the reconfiguration of stands on Delta apron to Code F specification.

- **TPS Consulting (UK) – Kigali Airport**

Design Engineer responsible for the design and modelling of the RESA areas, runway strip, VIP apron and earthworks related to the VIP terminal including roads and parking areas.

- **Aurecon - Principe Airport**

Engineer responsible for the geometric and earthworks design of the runway, taxiway, RESA and apron areas. The project also included the deviation of existing roads and houses as a result of the new runway orientation. All designs were undertaken in Civil 3d.

Roads:

- **Sejagobe Engineers – RAL – Upgrading of Roads D3333 and D3370 from Gravel to Surfaced Design**

Engineer responsible for the geometric design of the road (Completed)

- **Sejagobe Engineers – RAL - Rehabilitation of Road**

D3180 from Mamphakathi to R529 Design Engineer responsible for the geometric design of the road (Completed)

- **Ndodana (NCE) – SANRAL – R30 SECTION 8 FROM KM 36.8 TO VENTERSDORP (32 km)**

Geometric design engineer responsible for the design of the upgrade of the R30 (currently at gateway review stage for preliminary design)

- **Ndodana (NCE) – SANRAL – R396 MACLEAR TO THE N2 INTERSECTION NEAR TSOLO (21 KM)**

Geometric design engineer responsible for the design of the upgrade of the R396 (currently at preliminary design stage)

- **SMMMS – JRA Emergency Repairs to Albertina Sisulu Drive**

Design Engineer responsible for designs of roads and stormwater for emergency repairs to a section of road that collapsed.

- **SMMMS – Protea Glen – Emergency stormwater upgrades to various roads**

Engineer responsible for detail design and construction of various roads in Protea Glen (Completed)

- **APS Engineering – Bowmans – Forensic Investigations on Various Projects**

Technical specialist assisting Client with investigations with regards to tender irregularities, designs, quantities and payment certificates.

- **KUBU Consultancy – Boseto Drive**

Engineer responsible for the detail designs and construction drawings for Boseto Drive (10km) upgrade from gravel to surfaced road for Khoemacau copper mine in Botswana

- **APS Engineering – North-West Department: Public Works and Roads – Patch and Reseal of Sections of Road D609 From Maubane to Potwane To Prieska**

Engineer responsible for the geometric design. Project engineer responsible for the construction phase

- **SMMMS – JRA Region C Roads**

Design Engineer responsible for the design of Residential roads in Region C for JRA. Construction was completed

- **SMMMS – LNW Olifantspoort and Ebenezer Water Scheme upgrades**

Design Engineer responsible for the detail designs of all roads, parking and platform associated with the pipeline and extraction upgrades.

- **APS Engineering – North-West Department: Public Works and Roads – Rehabilitation, repair and reseal of sections of road D1263 from Brits to Sonop (12.5 km)**

Engineer responsible for the geometric and stormwater design. Resident Engineer during the construction phase.

- **APS Engineering – Nkwe Road**

Design engineer responsible for the realignment of the local Nkwe road, including all designs and associated deliverables.

- **BHM – Ghana Highway**

Design Engineer responsible for the preliminary designs for a new 14 km section of highway with 6 lanes and 2 service roads on either side. The preliminary design also included 4 new interchanges
