

# Riaan Venter

## Senior Survey and CAD Technician

[riaanventer@tdi-bi.com](mailto:riaanventer@tdi-bi.com), (979) 693-3446

**TDI-Brooks International, Inc.**

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

[www.tdi-bi.com](http://www.tdi-bi.com)

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### PROFESSIONAL EXPERIENCE

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- Senior Survey and CAD Technician, TDI-Brooks International, Inc., July 2023 – Present
- Senior Survey and CAD Technician, Subtech Group (PTY) Limited., January 2013 – July 2023
- Senior Draughtsman, Hochtief Construction AG, November 2007 – December 2012
- Senior Draughtsman, Basil Read, July 2007 – November 2007
- Senior Draughtsman, Bombela Civil Joint Venture Gautrain Project, July 2006 – June 2007
- Senior Draughtsman, DHTC Joint Venture Hochtief Concor, May 2005 – June 2006

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### PROFESSIONAL SUMMARY

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- Over 22 years of experience in the building, marine and civil industries.

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### KEY ACHIEVEMENTS - TDI BROOKS INTERNATIONAL, INC.

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- **Senior Survey and CAD Technician (July 2023 – Present)**
  - Geotechnical Investigations
  - Record all site information in Qinsy and update profiles.
  - Update all the relevant logs and create route charts.
  - Navigate survey vessels along cable routes.
  - Survey equipment: Norbit, Innomar, and Pixes Beacon system.
  - Deep Push CPT Navigator, using Qinsy to Navigate the Vessel in position.

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### KEY ACHIEVEMENTS – SUBTECH GROUP (PTY) LIMITED

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- **Senior Survey and CAD Technician (Jan 2023 - July 2023)**
  - To produce all site drawings as required by the Technical Manager.
  - Record all site drawings and issue them to the site.
  - Produce method statement and steel 3D drawings.
  - Produce Tender Drawings Assist divers with reports.
  - Building 3D models with data received from surveyors with civil 3D.
  - Processing the data and creating cross sections.
  - Assist QS with quantities and all volume calculations.
  - Compiling 3D presentations from surveys using Fledermaus software.
  - Assist with Hydrographic Survey and processing
  - Job Site (Dormac, Durban Harbour, KZN Estuarine Survey, Umhlatuze Water pipeline, Fukuseki Maru wreck, 12/12/2019 – 12/01/2021 Liquefied Natural Gas Plant Project Afungi site Mozambique –
  - Pemba Port development dredging operations and survey.
  - Senior Hydrographic Surveyor and Cad Technician.
  - Prepare cut plans and update the DTPS matrix for Beaver Dredger.
  - Daily progress Survey Acquisition
  - Update project drawings.
  - Assisting with drone surveys and layouts.
  - Navigate Survey Vessel

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#### **KEY ACHIEVEMENTS – HOCHTIEF CONSTRUCTION AG**

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- **Senior Draughtsman (Nov 2007 – Dec 2012)**
  - Production of all site drawings as required by Technical Manager.
  - Record all site drawings and issue to site.
  - Produce drawings and quantity records from survey data.
  - Processing of survey data from land survey and hydrographic survey.
  - Assist Senior Surveyor with single beam hydrographic survey using QINSY software.
  - Performing the actual hydrographic survey.
  - Navigate the survey vessel.
  - Assisting with software on crane and creating grid layouts.
  - Processing the data and create cross sections.
  - Assist QS with quantities and all volume calculations.
  - Assist surveyor on site with survey.
  - Compiling slide show presentations for NHC claims using Microsoft PowerPoint.
  - Compiling drawings and checking volume quantities for NHC claim using AutoCAD Civil 3D.

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#### **KEY ACHIEVEMENTS – BASIL READ**

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- **Senior Draughtsman (July 2007 – November 2007)**
  - Produce all Site drawings as required by Technical and Site Management.
  - Compiling method statement drawings for all site staff explaining step by step construction.
  - Drawing 3D drawings of special formwork that will be constructed on stadium.
  - Taking quantities from formwork drawings and compiling spreadsheets for QS.
  - Preparation of site installation drawings.

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#### **KEY ACHIEVEMENTS – BOMBELA CIVIL JOINT VENTURE GAUTRAIN PROJECT**

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- **Senior Draughtsman (July 2006 – June 2007)**
  - Produce all Site drawings as required by Technical and Site Management.
  - Ensure all Site drawings issued are correct and carry all relevant approvals.
  - Working with external references, orthographic photos, moving drawing into co-ordinate space, creating envelopes for Gautrain, presentation drawings, pick co-ordinate from rail reserve, compare alignment drawings, and create native files, testing CAD operators at interviews, 3D, reinforcing, and bending schedules.

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#### **KEY ACHIEVEMENTS – DHTC – JOINT VENTURE HOCHTIEF CONCOR**

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- **Senior Draughtsman (May 2005 – June 2006)**
  - Producing site layout drawings, construction and reinforcing drawings for temporary site installations.
  - Producing progress monitoring drawings for monthly reports.
  - Drawing control: receiving drawings from consultants, documents transmittal and filling.
  - Maintaining drawing registers.
  - Assistance with monthly report and photographic records keeping of progress / incidents.
  - To produce drawings and quantity records from survey data
  - Assisting QS with volume calculation
  - Assisting survey department with setting out work
  - 3D drawings to assist in visualization of complex construction sequencing.

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## FORMAL EDUCATION

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- Wolmaransstad High School 1993 - High school diploma

## PROFESSIONAL TRAINING/CERTIFICATIONS

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- 2019 DTSPS, Royal IHC Netherlands
- 2018 Hypack, C&C Technologies
- 2017 Hypack, C&C Technologies
- 2016 Safety Representative Course, Action Training Academy
- 2016 AutoCAD Civil 3D Modena
- 2015 AutoCAD Inventor Modena
- 2015 Fledermaus 4D Geo-Spatial Processing and Analyzing Tool, QCP
- 2012 Candy (CCS) C202 - Construction Planning & Programming (Training Course), Candy
- 2012 Candy (CCS) C201 - Construction Estimations & Valuations (Training Course), Candy
- 2012 AutoCAD 2012 Advanced 3D, AutoCAD Civil 3D Essentials 2016, Micrographics
- 2010 Skippers License Category E Vessel (< 9 Meters), SADSAA
- VHF Radio License SAMSA
- 2009 AutoCAD 2009 Advanced, Micrographics

## PROFESSIONAL SKILLS

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- AutoCAD 2012 Certified Professional
- Site Preparation.
- Test Methodologies.
- Tender drawings
- Earth Works
- 3D Models
- Hydro Survey
- Dredge Channel Design
- Hydrographic charts, volumes, and sections

## FIELD EXPERIENCE

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- Woodside Trinidad Calypso (In filed and Pipeline route), Geotechnical investigation (CPT, gCPT, PC, and Box cores), Record all site information in Qinsy and update profiles. Update all the relevant logs and create route charts.
- DenAr Turkey (In filed and Pipeline route), Geotechnical investigation (JPC, CPT, Shelby Tubes, gCPT, PC, and Box cores), Record all site information in Qinsy and update profiles. Update all the relevant logs and create route charts.
- Vineyard (Windfarm Project), Deep Push CPT Navigator, using Qinsy to Navigate the Vessel in position. Record all site information in Qinsy and update profiles. Update all the relevant logs and create route charts.
- TotalEnergies (New Jersey Cable Route), Navigate survey vessels along cable routes. Survey equipment: Norbit, Innomar, and Pixes Beacon system. Assist in the deployment of survey equipment.
- Vineyard Wind (New York Cable Route), Navigate survey vessels along cable routes. Survey equipment: Norbit, Innomar, and Pixes Beacon system. Assist in the deployment of survey equipment.