



**Robert Pritts**  
**Senior Marine Surveyor**  
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**TDI-Brooks International, Inc.**  
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[www.tdi-bi.com](http://www.tdi-bi.com)

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## **PROFESSIONAL EXPERIENCE**

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- Senior Marine Surveyor, TDI-Brooks International, Inc., 2022 - Present
- Senior AUV Geo Processor II, Fugro Marine USA, 2012 – 2022
- Lead LiDAR Hydrographer, Fugro Pelagos, 2009 - 2012
- LiDAR Hydrographer, Fugro Chance, 2006 – 2009
- LiDAR Field Engineer, Fugro Chance, 2003 - 2006

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## **PROFESSIONAL SUMMARY**

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- Over 20+ years of experience in the installation, acquisition, and processing of high-resolution geophysical data and equipment (sonar, multibeam/ Airborne Lidar bathymetric systems) across the oil and renewable energy sectors.
- Strong Processing and Quality Control skills with attention to detail

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

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- Monitor the acquisition of navigation, scientific sampling, geophysical survey data.
- The development, installation, mobilization, operation, maintenance, and documentation of geophysical related equipment.
- Project management and planning
- Data processing and data management for delivery to client
- Contribute to the creation of field reports (Mobilization, Operations, Processing, Etc.)
- Production and Quality Control of Kongsberg EM710/ EM302 / EM 304 Multibeam Echo sounder data (Bathymetry and Backscatter) in conjunction with the production of Side Scan Sonar mosaics within the oil & gas and renewable energy market.
- MBE verifications and patch testing.
- Interfacing with client representatives.
- Collection and processing of sound velocity profiles.
- Data management.

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## **KEY ACHIEVEMENTS – FUGRO**

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### **Senior AUV Geo Processor II**

- Production and Quality Control of Kongsberg EM2040/ EM302 Multibeam Echo sounder data (Bathymetry and Backscatter) in conjunction with the production of Side Scan Sonar (Edge Tech 4205) mosaics within the renewable energy market.
- MBE verifications and patch testing.
- Interfacing with client representatives.
- Collection and processing of sound velocity profiles.
- Data management.
- Quality control of all Hugin 3000 AUV data products and AUV mission planning.

### **Lead LiDAR Hydrographer**

- Conducting Airborne LIDAR (light detection and ranging) Bathymetry surveys using the Scanning Hydrographic Operational Airborne Lidar Survey (SHOALS)-1000 system with direct liaison with the customer.
- Lead Hydrographer supervised and coordinated the installation and calibration of the SHOALS-1000 in suitable aircraft of opportunity and managed the set-up of temporary field offices.
- Quality control of all acquired survey data, and for subsequent processing and reporting while on rotation.



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- Analysis of worldwide hydrographic surveys for various beaches, breakwaters, shoreline mapping, and Nautical charting projects.
- Assisted with proposals for future Fugro Lidar projects.

#### **LiDAR Hydrographer & Field Engineer**

- While working out of the client office for the Army corps of Engineers in Mississippi (JALBCTX) as a Field Engineer - obligations were to be involved in all aspect of LIDAR surveying using the Compact Hydrographic Rapid Total Survey System (CHARTS) airborne sensor.
- Pre project planning, airborne system operation and data collection, bathymetric/ topographic data post processing using Fledermaus 3d editor.
- Researching survey monuments for project planning, staging Trimble GPS receivers on location for GPS observations, and Post processing GPS for kinematic surveys using POS PAC.
- Final product preparation and quality control with direct collaboration with the customer.

#### **Senior Electronic Technician**

- As the Senior Electronic Technician for SHOALS-400, responsible for troubleshooting, testing, inspection, refurbishment, modification and repair of the SHOALS-400 system, equipment, instruments and components. Mobilization, de-mobilization and calibration procedures for SHOALS and support equipment
- Validating calibration data
- Assist in mission planning for optimal production

#### **FIELD EXPERIENCE**

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- 4 Years onboard Survey vessels conducting conventional geophysical surveys for the renewable energy market: North east Atlantic Ocean
- 2 years onboard survey vessels in production for deep water seep hunting; Entire Gulf of Mexico
- 5 Years onboard Survey vessels conducting deep water AUV surveys for the oil and gas sector: Numerous deep-water leases in the Gulf of Mexico
- 12 years in Production and Field Management of Airborne Lidar Surveys on contract for the US Army Corps of Engineers/ Naval Oceanographic Office: worldwide