

Chris Riffe

Technical Director

EXPERTISE

Oceanographic operations management and data acquisition and control system development, design, fabrication, and operation. Primary focus is on the development of ocean current monitoring and surveying technologies.

QUALIFICATION SUMMARY

- Forty plus years of maritime operations experience
- Physical oceanographic data acquisition systems development
- Ocean current monitoring and surveying programs development
- Marine biological sampling experience
- Marine chemical sampling experience
- Marine geological sampling experience
- Commercial and government vessel operations management experience
- Health, safety, and environmental program development experience
- Quality assurance and control program development experience

WORK EXPERIENCE

2018 – Present Technical Director, Woods Hole Group a CLS Company
2016 – 2018 Chief Technology Director, Horizon Marine a CLS Company
2006 – 2016 Offshore Operations Manager, Horizon Marine, Inc.
2004 – 2006 Sea Sense USA Division Manager, Fugro GEOS
2001 – 2004 Southern Region Manager, Evans-Hamilton, Inc.
1998 – 2001 Technical Supervisor / Relief Captain
Louisiana Universities Marine Consortium (LUMCON)
1993 – 1998 Captain / Head Marine Technician, *R/V Pelican*, LUMCON
1991 – 1993 Marine Technician / Relief Captain, *R/V Pelican*, LUMCON
1985 – 1986 Captain, Levy-Mellon Marine
1983 – 1985 Mate, Levy-Mellon Marine
1982 – 1983 Able Bodied Seaman, Levy-Mellon Marine
1981 – 1982 Ordinary Seaman, Levy-Mellon Marine

United States Army Reserve

1990 – 1997 Chief Warrant Officer (CWO-2) Marine Deck Officer
1988 – 1990 Warrant Officer (WO-1) Marine Deck Officer
1987 – 1988 Specialist (E-4) Marine Watercraft Operator
1986 – 1987 Private (E-3), U.S. Army Reserve (1986-1987)



Education

1990 – B.S.
Marine Biology
*University of North Carolina-
Wilmington*

1985 – Diploma
Marine Operations
*Louisiana Marine & Petroleum
Institute*

1980 – A.A.S.
Marine Technology
Cape Fear Technical Institute

Professional Affiliations

-Marine Technology Society,
member
-The Hydrographic Society of
America, member

Publications & Presentations

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KEY PROJECTS

FAST Eddy systems and service development / Offshore Operations Manager

Developed the Fast Autonomous Survey Technology Survey Systems (FAST EDDY) and service for Horizon Marine, Inc. Includes systems for vessels of opportunity, Unmanned systems, and a LITE-deployable version

HSSE program development / Offshore Operations Manager

Developed Horizon Marine, Inc.'s Health, Safety, Security, and Environmental program

Rig ADCP data acquisition system / Southern Region Manager

Co-developed Evans-Hamilton, Inc.'s, offshore oil and gas platform MetOcean data acquisition systems. Coded the data acquisition and visualization software using National Instruments LabView.

MIDAS / Captain and Head Technician

Developed the Research Vessel PELICAN's Multiple Instrument Data Acquisition System (MIDAS) for the Louisiana Universities Marine Consortium research vessel PELICAN. Coded the data acquisition and visualization software using National Instruments LabView.

PUBLICATIONS & PRESENTATIONS

Riffe, C. 2017. Thrown for a Loop; Overview, Challenges, and Impacts of the Loop Current on Offshore Operations. Society for Underwater Technology and the Loop Current and Eddies Alliance. Presenter.

Riffe, C. 2016. Acoustic Doppler Current Profiler Survey Methodologies. Institute of Marine Engineering, Science and Technology and Society of Petroleum Engineers inaugural Loop Current Eddy Workshop. Presenter.

M. Cadwallader, P. Coholan, D. Gustafson, C. Riffe, N. Sharma, J. Storie, and D. Obenour. 2016. Currents Behaving Badly: Hard Lessons Learned in the Gulf of Mexico. Subsea Tieback Forum and Exhibition.