



McNotes

Vol 6 No. 1
July 2007

Naval Architects & Engineers

A Plethora of Projects

Over the past several months, we've had all of our oars in the water and we're rowing double-time with an abundance of diversified and challenging projects, including:

Structural Modifications: We're currently in the process of doing FEA analysis reviews for a major oil company on an FSO/FPSO.

ACMA completed the modification design package involving the addition of an ATB "pin" connector system for a barge and tug. We did all of the structural analysis using both simplified beam analysis and FEA. ACMA also provided contract level drawings as well as the Construction Specification for the tug and the barge. Because of our knowledge of ship construction/modification, as well as ABS and Coast Guard issues, ACMA provided owner's representation services in the shipyard during the first quarter of 2007.

Hydro Dynamic Studies: Studies included ship passings to ship moorings, heavy lift scenarios and iterations of two floating bodies connected by a hawser for loading/off-loading. To expedite this

work, ACMA purchased high-powered work stations and state-of-the-art software that substantially reduce calculation time, thereby saving our clients time and money.

Vessel Surveys: We've conducted a number of vessel modification surveys, including DWT and inclinings. Data was gathered, recorded and analyzed on site so that preliminary calculations could be processed for interim approval to operate. Data was then brought back to our offices where we completed final calculations and submissions.

New Construction: Design modifications for the Galveston-Port Bolivar Ferry have been completed and approved by ABS and USCG. The project is currently with various shipyards for bid. Construction is scheduled to begin at the end of the 4th quarter of 2007. ACMA will be the owner's representatives through delivery, including dock and sea trials.



Ready to sail following ACMA's Deadweight Survey

ACMA's VP, Darrel Harvey, Chairs SNAME Presentations at the 2007 OTC

Having successfully chaired the SNAME sessions during the 2006 and 2007 OTC, ACMA's Darrel Harvey again stepped up to the plate as SNAME's Program Committee Chairman for the best attended OTC on record since 1984. More than 67,000 attendees from 110 countries attended OTC this year.

Darrel orchestrated the technical session on Synthetic Mooring and Applications and SNAME's Program Committee Vice Chairman, Jan Wolter-Oosterhuis of Dockwise USA, coordinated Float-Over Deck Mating Operations. Darrel also worked with a number of other societies to develop additional technical and general seminars during this year's OTC. As a result of Darrel's leadership and ACMA's participation as a sub-committee, OTC was the second largest income producer for the Society of Naval Architects and Marine Engineers.



Alan C.
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From the Top

Some projects require one or two very specific skills and disciplines developed through years of application and experience. Other projects are awarded as the result of solid relationships that have been forged through previously successful assignments. And then there are those rare projects that provide us with the opportunity to apply our full range of capabilities while we work with a company with whom we've built a long-term relationship.



ACMA is currently engaged in one of those special projects with J. P. Kenny, one of the world's largest and most innovative pipeline and subsea engineering and management contractors. Our assignment, on behalf of a major oil company, involves the exploration of a new offshore field in South America. The project includes the development of a large lifting device (crane/barge) and we're in the process of evaluating three different methods for the fixed portion of the facility, including an SPM and an FSO.

As might be expected, the project is on a very fast track and the schedule is extremely time critical. But that's exactly what "floats our boat" — the opportunity to contribute to the success of a major project by combining our years of experience, specialized skill sets and sound relationships.


Scott C. McClure
President

McNotes is published by
Alan C. McClure Associates

Founded in 1975, Alan C. McClure Associates, Inc. (ACMA) is one of the industry's premier naval architecture and engineering firms. Headquartered in Houston, Texas, we've provided advanced design and engineering services to our international clientele in offshore exploration, production and marine transportation for over 30 years.

 Alan C.
McCLURE ASSOCIATES, INC.

Naval Architects • Engineers

2600 S. Gessner, Suite 504
Houston, Texas 77063-3270
Phone: (713) 789-1840
Fax: (713) 789-1347
www.acma-inc.com

The ACMA Knots Ride Again to Benefit MS Research

With near-perfect weather and an explosion of Texas wildflowers paving the way from Houston to Austin, members of the ACMA Knots again added their support, both physically and financially, to the BP MS 150, the largest single fund-raising event for the National Multiple Sclerosis Society. Held in 2007 on April 21st and 22nd, this charity event regularly attracts 13,000 cyclists and 3,000 volunteers, and generates millions of dollars in donations raised through pledges from friends, family and business associates. As the Lone Star Chapter nears its 2007 goal of \$12 million, the ACMA team has raised close to \$10,000 in donations.

Riders for the ACMA Knots included Scott McClure, Valerie Des Parois, Joe Gibson, Michelle and Mark Hargrove, Bobby Wilson, Greg Kelley, Steve Rosencranz and Amelia Wright. Support team members, were led by Heather Peterkin and included Sara and Dylan Serody, Faris Guirguis, Dusty Hardin, Riley and Myers Hargrove, and Angela Serody.



Scott McClure crosses the BP MS 150 finish line in Austin

Kelly Gray: Off to a Fast Start

Although college isn't exactly a distant memory yet for this 2002 graduate of Texas A&M at Galveston, Kelly Gray, armed with a B.S. in Maritime Systems Engineering and Engineer in Training (EIT) status, is already establishing his reputation as a rising star at ACMA.

Drawn to the water at an early age, Kelly enjoyed swimming, snorkeling and sailing. In junior high, he developed an interest in marine biology and naval archeology. By the time he reached high school, his focus turned to what makes boats "do what they do" in the water. And, quite naturally, that curiosity led to an interest in sailboat racing, an activity he still enjoys.

Following graduation, Kelly joined Friede & Goldman, Ltd., where he worked on Global Strength Analysis and Spectral Fatigue Analysis of Jack-Up Legs. He also gained valuable experience with the rules and practices of ABS, Civil Aviation Authority, Det Norske Veritas and the China Classification Society. Unfortunately, when the company had to lay off a large

number of employees, Kelly experienced the well known practice of "last to arrive, first to go."

Of course, it didn't take Kelly long to make a new connection. Since joining ACMA in 2004, he's been involved with a number of major projects.

"Kelly's performed several structural analyses using the company's ANSYS FEA software," notes ACMA VP Darrel Harvey. "He's also had the opportunity to participate at the shipyard where his work was being implemented. That 'design to construction' experience makes him a very valuable resource."

"ACMA's depth of experience and long-term stability has made it the ideal place to get the experience I'll need to build a successful career in this industry," says Kelly. And, since he's definitely on a fast track with ACMA, it's reassuring to know that track is being built on a solid foundation.



Kelly Gray