



Project Updates

Helix Producer 1: We've just finished up our involvement on the HELIX PRODUCER I after 3 years. We were instrumental in resolving boxes of outstanding class and flag issues, all stability criteria known to man, structural analysis that included hull girder analysis, localized hull structure and deckhouse FEAs, blast wall review and whatever else needed to be cleared up, cleaned up or finished off. ACMA provided critical support to allow this vessel to reach the jobsite class complete.

Superior Energy: ACMA provided engineering support on a liftboat rework and upgrade that included on-bottom and floating stability, leg redesign, foundations for the jacking towers and hull integration. We used our FEA program (ANSYS), for the structural analysis of the hull and the legs, which also included extensive buckling checks. Particular attention to the pinion spring stiffness was made during the modeling and analysis of the 265-foot leg redesign to assure proper interactions. Finally, the SNAME T&R Bulletin 5-5A was used extensively during the engineering development. Our involvement will end when the inclining is performed.

On a separate Superior project, ACMA developed the preliminary design of a pipe-lay stinger, A-frame support and the hull-hitch details. Our use of AQWA for ship motions was instrumental in helping our outside consultant predict pipeline forces that would translate into the stinger. The final product was a set of drawings and a design report that Superior Energy would submit to ABS for approval.

Port Aransas Ferries: ACMA's involvement in the Port Aransas ferries being constructed at Brady Island includes providing equipment purchasing services for the vessels. This has resulted in a cost saving of more than \$300,000 USD to date with, hopefully, more to come.

TXDoT's Galveston-Port Bolivar Ferry: Although a hard and fast delivery date has yet to be established, TXDoT is confident that the new ferry will be added to the fleet in the very near future.

OTC 2010 Update

Even with the current problems in the Gulf of Mexico, ACMA's VP Darrel Harvey, who serves as SNAME's OTC Program Subcommittee Chairperson, noted that OTC 2010 was very upbeat, with attendance reaching 72,900 as offshore energy industry experts from around the world came together to share technological advances and innovative approaches.

According to Darrel, "I had the great honor to introduce Ms. Sue Skemp from Florida Atlantic University, one of the Tuesday Morning Breakfast speakers. Ms. Skemp provided a

wonderful overview on the complexities of obtaining government approvals for renewable energy projects and their installation. I was surprised that the level of investigation and scrutiny was very similar to what we have to provide when drilling on land and offshore. She was wonderfully engaging in her speech and I'm hopeful we can get her to return for some additional involvement in OTC 2011 . . . which will be upon us before we know it!"



From the Top


Celebrating 35 Years!

When ACMA set sail 35 years ago to provide advanced engineering to a marine industry still in its very early stages of development, we realized there was a need for an organization that could apply first principle engineering to real life applications in the offshore arena. As we grew, we made the decision to keep the firm small and privately-owned to allow us to be much more 'fleet of foot' when reacting to our clients' needs.

Today, our ability to respond quickly and apply first principle engineering has placed us in the position of being recognized as a world leader in our industry. Even more importantly, for the past three and a half decades, we've developed long-term, personal relationships that have been the backbone of ACMA's success.

So let me take this opportunity to say "thank you" to all of our clients, associates and vendors who have made our voyage so enjoyable and successful. We couldn't have done it without you.




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 35 years.



Alan C.
McCLURE ASSOCIATES, INC.
Naval Architects • Engineers

2929 Briarpark, Suite 220
Houston, Texas 77042
Phone: (713) 789-1840
Fax: (713) 789-1347
www.acma-inc.com



Check Out Our New Offices

After 35 years, we finally moved...even though it was only a few blocks from our original location. Our special thanks to our vendor partners who helped make our move so successful –WesTec (www.westecservices.net), Expert Solutions (www.expertsolutionsllc.net) and Xpresstel, Inc. (<http://www.xpresstel.com>)

Our new reception area – before and after.



Mike Pepper: Been There, Done That

If you're looking for someone who's a seasoned practitioner of the art of naval architecture and marine engineering... look no farther than Mike Pepper.

Born in Towanda, Pennsylvania, Mike developed an early interest in sailing, even though his father's fleet of boats always came with a pair of oars or a motor. That interest led him to complete a B. S. Engineering – Naval Architecture and Marine Engineering degree at the University of Michigan.

Following graduation, Mike tested marine models as a Research Assistant in the university's Naval Hydrodynamics Lab. After a few years, he headed to Seattle, Washington, where he held the position of Jr. Naval Architect and focused his efforts on marine design that included barges, tugs, dredges, tankers and riverboats. Next, he moved to Laurel, Maryland, where he again served as a Research Associate tasked with marine and offshore model testing.

When McDermott-Hudson Engineering invited him to join the firm in 1976, Mike made his way to Houston, where he concentrated on offshore structure installation and transportation, dock and terminal design, and specialized drilling rig design.

Following his work at McDermott-Hudson, Mike spent three years with Global Marine, several years as a freelance marine consultant

and then back to a few more corporate positions.

In 2008, VP Darrel Harvey approached Mike about joining the ACMA team.

Since Mike had worked on projects with Alan, knew ACMA had an excellent reputation and discovered the company's headquarters just happened to be located a few blocks from his home, the deal was sealed.

According to Darrel, "We were very fortunate to bring Mike on board. Not only was he a good friend (and still is), he also brought a wealth of experience with him."

As you might expect, Mike's lifetime of experience creates a long list of qualifications. In addition to his extensive experience in model basin testing, he's been involved with design, construction, operation, modification and repair of vessels and drilling units. He's also been involved with project planning, bid evaluation, budgeting and progress monitoring. Of course, there's been on-site project and technical supervision, as well as vessel surveys. Throw in experience with regulatory and classification procedures, technical writing and government reporting, and you're probably starting to get the picture. There's not much Mike hasn't done.



Mike Pepper