



COMPANY NEWS

MARCH 2009

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ABOUT US

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Advanced Crane Technologies is a supplier of custom solutions to a specialized crane market. Our focus is on complex, unusual, high capacity, and/or sophisticated applications, nationwide. Our team of highly trained and experienced engineers, project managers and technicians, can design, build, and install cranes of all types and capacities, or modernize your existing crane with new state of the art controls and monitoring systems. As a part of the Pollock Research & Design family of companies, along with Simmers Crane and Design Services in Salem, Ohio and Reading Crane and Engineering, Reading, PA we can bring

together a team of over 20 engineers and 80 crane service personnel at six locations in the mid-Atlantic region alone. ACT is located in the Reading Crane and Engineering's corporate offices in Reading, PA. RC&E has been in the crane business for over 100 years. The manufacturing facility here is currently producing over 50 cranes annually.

ACT also assists clients in developing specifications for crane procurement and modernization, as well as providing inspection and training services. We have experience in applications for hydro-power, primary metals, shipyards, dockside, defense, nuclear and conventional power generation. Contact Randy G. Strain at 610-582-

7203 Ext. 102 or rstrain@advancedcrane.net for your next crane related project, and let us show you what separates us from the competition.



ACT sets the new 50/5 ton trolley on the tailrace gantry crane at Lower Monumental Dam, Snake River, WA

NEW PERSONNEL

SPECIAL POINTS OF INTEREST:

- Hoover Dam
- Gavin's Point Dam
- Lower Monumental Dam
- Advanced Crane Technologies' New Services

Advanced Crane Technologies is pleased to announce the addition of two new key employees to our staff. Kevin Fleming and Glenn Miller. Both have been involved primarily with government crane contracts over the last 10 years and will be tremendous assets in the continued growth of

Advanced Crane Technologies. Kevin has over 25 years of experience in electrical engineering, power distribution, drives and PLC programming. Kevin graduated from Penn State University with a Bachelor of Science degree in Electrical engineering. Kevin's ext. is 154 and his email is kfleming@advancedcrane.net. Glenn is a certified CQC

Manager who brings to us 40 years of experience in engineering project management and field supervision. Glenn graduated from Villanova University with a Bachelor of Science degree in mechanical engineering. Glenn's ext. is 107 and his email is gmliller@advancedcrane.net.

PROJECT NEWS

HOOVER DAM –U.S.B.O.R.

May 2008: Advanced Crane Technologies completed a contract for the US Bureau of Reclamation to provide a new 5 Ton capacity trolley for an existing maintenance crane at the Hoover Dam, Boulder City, NV. ACT provided a unique trolley that is able to be moved between generators by an overhead crane in the powerhouse. This new state of the art piece

of equipment replaces a 4 ton hand powered trolley that was built over seventy years ago. Not only does our new trolley have 25% more lifting capacity and is radio controlled, but the dead weight of the trolley is less than the existing one, allowing the 4 ton bridge to be upgraded to 5 tons without modification.



Load Testing—New 5 Ton Capacity, ACT Trolley

GAVINS POINT DAM –USACE

August 2008: ACT completed a contract to supply a new spillway monorail crane system for the US Army Corps of Engineers at its Gavin's Point Dam located in South Dakota. This custom designed 10 ton capacity crane travels over 750 feet along the spillway, servicing stop logs and gates. As part of the contract, Advanced Crane Technologies removed the existing crane and conduc-

tor bar system; installed the new crane complete with a new 42' spreader beam and replaced the monorail electrification system which runs under an active roadway above the spillway. This crane is similar to the one ACT supplied to the US Army Corps of Engineer's Garrison Dam in North Dakota, last year.



10 Ton Spillway Crane—Gavins Point Dam, South Dakota

LOWER MONUMENTAL DAM—USACE

December 2008: Advanced Crane Technologies successfully load tested the newly rehabilitated 50 ton tailrace gantry crane at the Lower Monumental Dam in Kahlotus, WA. The scope of our contract included replacing the trolley with a new 50/5 ton trolley, new controls, new power cable reel, new diesel genera-

tor, rehab of the gantry trucks & drive machinery. Advanced Crane Technologies also completely modernized the operators' cab with new windows, HVAC, video systems and load cell displays. The rehabilitated gantry crane was load tested at 125,000 pounds.



Rehabilitated 50 Ton Tailrace Crane at Lower Monumental Dam

CURRENT PROJECTS

This March, Advanced Crane Technologies will be mobilizing at the Priest Rapids Dam in Washington state to rehabilitate (2) 350 ton powerhouse bridge cranes. Grant County P.U.D. awarded Advanced Crane Technologies with a contract to modernize the controls on (2) seven motion bridge cranes including state-of-the-art flux vector controls on the hoists. This new system will allow one crane operator to handle the 700 ton loads shared by both cranes from the cab of one crane. We are also including a 15" color touch screen interface for the operator which will display loads on the hooks, hook height above the floor, control system status and alarms as well as other diagnostic functions. Also part of this contract are all new motors, brakes, festoons & operator cabs. Advanced Crane Technologies anticipates completing the rehab project this fall.



“Never throughout history has a man who lived a life of ease left a name worth remembering.”

- Theodore Roosevelt

NEW SERVICE—ARC FLASH ANALYSIS

Advanced Crane Technologies is now offering Arc Flash Analysis for electrical equipment as part of our overall commitment to being a “complete” turn-key solution provider. New OSHA & NEC/NFPA regulations require crane owners to placard control panels with a standardized label outlining what Personal Protective Equipment, (P.P.E.) is required prior to opening an energized panel. Advanced Crane Technologies can offer this service as part of a new contract or as a “stand alone” service for clients with existing cranes.

ACT WEBSITE

Clients can visit our website at www.advancedcrane.net to learn more about Advanced Crane Technologies LLC and our capabilities, products, and services which we can provide. Visit our website throughout the year to keep up-to-date with our latest projects, products and services. If you have any questions you can contact us directly through our website and a representative will respond to you shortly.

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Advanced Crane Technologies adheres to high standards in product quality as well as service. The company prides itself on outstanding quality & professionalism. If you have any questions or would like to speak with someone about your specific needs please feel free to call the number to the left to reach Randy Strain (ext. 102), President of Advanced Crane Technologies or our Project Manager, Richard Schultz (ext. 140).



ADVANCED CRANE TECHNOLOGIES

IT'S TIME TO GET ADVANCED.

AFFILIATIONS

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Pollock Research & Design

