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FOR IMMEDIATE RELEASE

Adamo Group First in the Nation to Acquire New Ultra High Demolition Machine

DETROIT, Mich. (June 23, 2011) – Adamo Group has acquired the first APEX 70 Ultra High Demolition (UHD) Hydraulic Excavator in the nation and will put it to work on July 12, 2011, at the Ford Auditorium demolition site in Detroit, Michigan.

The fabrication of the APEX 70 came about through the collaboration of Caterpillar, Inc. and Jewell Attachments, LLC to form APEX Machines. By combining their strengths, Caterpillar and Jewell have created an ultra-high reach with features like no other demolition machine available today, including:

- Enhanced cab guarding
- Pilot-assisted load lock valves
- Demolition Control System (DCS)
- 84-foot, three-piece high reach boom
- Tilt back cab
- Attachment observation system Dust suppression system

See the APEX 70 in action and learn more about Adamo Group and the APEX 70:

Date and Time: July 12, 2011, 9:00 AM

Place: Ford Auditorium demolition site, Detroit, Mich. – Adamo tent in Hart Plaza **Attire:** Appropriate footwear required on job site (closed shoes//boots), safety wear will be provided **RSVP**: Contact Denise Danneels at ddanneels@adamogroup.org by June 30, for site clearance

About Adamo Group

Adamo Group is among the nation's leading demolition and remediation companies. Founded in 1964 and headquartered in Detroit, Michigan, Adamo Group provides comprehensive demolition, asset recovery, site decommissioning, real estate rehabilitation, site preparation, and environmental abatement services throughout the United States and Canada. For more information, visit <u>adamogroup.org</u>.

Armed for nuclear decommissioning

orking together with specialist contractor SA Robotics, Sellafield Ltd has carried out a challenging phase of work in a high radiation area in order to prepare for the decommissioning of one of the 'hazard' plants at the Sellafield complex in Cumbria, UK.

The work was carried out to remove a significant hazard associated with the 60 year old First Generation Magnox Storage Pond (FGMSP). A unique Powered Remote Manipulator Arm (PRM) first isolated and removed pipework from the pond and then cleaned and sealed a contaminated pond wall. The redundant pipework posed a significant risk and was isolated with special sealants before







The robot arm was used during decommissioning work on the Magnox Storage Pond at Sellafield, a 'hazard' high radiation plant

removal. The robotic arm then scabbled the wall and applied a specialist coating to seal the concrete.

Paul Farran, Head of Projects, FGMSP said: "The operation demanded surgical precision in an industrial context and the completion of this vital piece of work helps us get on with the job of retrieving nuclear wastes from the pond.

"We've worked with specialist contractors SA Robotics to develop a robot that could work in a high radiation area, where obviously we couldn't send our workforce. We've also drawn on space age technology by using software originally developed by NASA to control our robot. In addition, new resins and foams had to be developed in conjunction with AMEC to both key and seal the pond wall, and to coat and isolate the pipework under extreme conditions."

The successful completion of this work will now allow Sellafield Ltd to empty the pond and carry out the eventual decommissioning of the building.

High reach saves time and money

Adamo Group used its Apex 70 high reach to bring down Pier 19 at the Ambassador Bridge in Detroit, Michigan, as part of the Gateway Project, on behalf of contractor CA Hull, who specified a short time window for the work to bring down the 19.8 m (65 ft) structure that stood within a few metres of the Ambassador Bridge. Using a 3.5 tonne hydraulic breaker, the Apex 70 was able to remove the pier in what Adamo says was half the time and half the cost of traditional demolition methods, while keeping the nearby bridge open during the demolition.

The US\$230 million Gateway Project is intended to improve traffic flow between the northern USA and Canada through improvements made to the I-75 and I-96 interchange in the city to accommodate the high traffic volumes that make use of these highways, which are vital parts of the North American trade routes. Work was scheduled in four phases and began in 2003, with the final phase four beginning in July 2007 with work scheduled for completion in December 2009 - this phase is seriously delayed and has generated considerable controversy.



order to reduce the amount of vibration. Vibration meters are fitted around the entire building to keep us updated on what is going on. We also have to take into consideration the other office blocks around the building."

Tax office falls to Husqvarna robot

he Swedish Tax agency office in the Solna district of Stockholm, Sweden, is currently being demolished to make way for a new office development. A major challenge of the job is the fact that the Agency's data centres are housed under the building, meaning that vibrations resulting from the demolition must be strictly controlled and minimised. As a result, the use of a Husqvarna DXR 250 demolition robot equipped with the company's DCR 300 crusher attachment was considered the best option by Pentka Demolition, who is tasked with the work in conjunction with Contender Demolering, who is carrying out the drilling of holes

through the concrete.

The reinforced concrete floors and beams from the courtyard are being removed to open the courtvard out completely. requiring a strong crusher. With its 45 tonne crushing force, the DCR 300 is proving to be a successful solution, allowing the work to be carried with more speed and precision. Pentka's Toni Karhunen has developed a suite of settings specifically for the work, allowing the speed of the machine to be adjusted from a distance while reading pressure and temperature data remotely.

Toni's father Pentti Karhunen said of the work: "The challenge was how to perform the demolition without having to break up the concrete in

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