



**H.F. LENZ  
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*Engineers  
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**FOR IMMEDIATE RELEASE**

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**H.F. Lenz Company Wins Engineering Award**

January 24, 2003, Johnstown, Pennsylvania. The H.F. Lenz Company has been awarded a **2002 ARC Merit Award**, from **Consulting-Specifying Engineer Magazine**, for their innovative use of 3D modeling in developing the mechanical systems for the modernization of the U.S. Social Security Administration's Woodlawn Chilled Water Plant. The chilled water plant, which serves the 1.8 million sq.ft. Woodlawn campus, was contained in a fixed-space area, which was already tightly packed with equipment. The highly detailed 3D models of the existing equipment layout allowed the H.F. Lenz Company to work through the space constraints while precisely placing equipment; verifying pipe routing; maintaining clearances required for future equipment installation; and identifying phasing schemes to allow the plant to remain in service during construction. While the Construction Documents were very complex, the 3D drawings were concise and easy to read, providing contractors with an excellent understanding of the actual site conditions, resulting in less confusion during the bidding process and, ultimately, more accurate bids. The H.F. Lenz project team included: Principal-in-Charge, Richard A. Madzar, P.E., and C.E.O. of Lenz; Project and Lead Mechanical Engineer, William H. Devlin, Jr., P.E.; Principal and Lead Electrical Engineer, Thomas F. Deter, P.E.; and Lead Plumbing and Fire/Life Safety Designer, Michael K. Miller. The ARC Awards (Advancing, Reinvigorating, and Cultivating excellence in engineering) are presented for design elements that the magazine feels either help to advance the engineering industry as a whole, or inspire others to try new ideas and technologies. The project is featured in the December 2002 edition of Consulting-Specifying Engineer Magazine.

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