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## A Powerful Draw

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# University of Dayton, Ohio (url: <http://www.udayton.edu/index.php>)



## A Powerful Draw

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State, federal and business officials for a long time have acknowledged the merits and research of the University of Dayton.

Now, GE Aviation is getting in on the act.

GE Aviation announced it will create an Electrical Power Integrated Systems Center near Dayton. It will set the location of the center by the end of 2010 and expects to have operations up and

running by 2012.

"The close proximity to the University of Dayton Research Institute, Wright-Patterson Air Force Base, and its Air Force Research Labs was a big part of GE's decision to come to Dayton," said Vic Bonneau, president of Electric Power for GE Aviation Systems. "The center will allow GE and (the University of Dayton Research Institute) to provide significant new support to AFRL. This will make available a world-class facility for research into robust electric power systems, which will enhance the Dayton region's attractiveness as a center of aviation research and development."

The center will be directed at several markets, including on- and off-highway hybrid and electric vehicles, more electric aircraft and marine applications.

As a result of the partnership, the University will gain three researchers. They and other University researchers will work with GE to develop and deploy cutting-edge computer modeling, simulation and analysis of electric power systems design and controls.

"UDRI is proud to have made a difference by working with GE and the state to attract this center to Ohio," said John Leland, director of the University of Dayton Research Institute. "This center will allow us to build on long-standing capabilities in modeling and simulation that may eventually be applied to other complex electrical systems such as smart utility grids and electric vehicles."

The Ohio Third Frontier Commission is providing a capital grant for up to \$7.6 million in support of the center.

"Helping to launch innovative technology in the aviation industry is an important aim of Ohio Third Frontier," Ohio Gov. Ted Strickland said. "This investment underscores the importance of linking Ohio's educational and industrial research strengths to boost Ohio as an advanced technology leader."

Strickland recently has linked to the University of Dayton's research strengths to industrial strengths recently.

Strickland bestowed an Ohio Center of Excellence designation on the University of Dayton's von Ohain Fuels & Combustion Center and a newly created center working with strategic energy and environmental informatics, both of which will work closely with the Air Force Research Lab. Strickland also designated the Dayton region as Ohio's Aerospace Hub and named the University as the lead partner because of its strengths in aerospace-related research, its work with the Air Force Research Lab, and its ability to help spur technology-based economic development.