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**Heartland Energy
Solutions**

Press Release

Heartland Energy Solutions Brings Turbine Blade Manufacturing To Mount Ayr, Iowa

Heartland Energy's chairman Paul Ramsey and CEO Charles Sharp met with the Mount Ayr City Council on the evening of August 20th to discuss the manufacture of its own unique and innovative blades.

They were granted permission, by unanimous vote, to add an additional 9,000 square feet to the existing 30,000 square foot plant on their 8.5 acre site in Mount Ayr's Pride of Iowa Industrial Park for the new blade facility.

According to Dr. Kyle Wetzel of Wetzel Engineering in Lawrence, Kansas, who is considered one of the most prominent wind engineers in the United States, "Heartland will probably be the only U.S. based turbine manufacturer in its power class to manufacture its own blade."

Dr. Wetzel, who was in Mount Ayr last week, and Dr. Michael Selig, Professor of Aero Space Engineering at the University of Illinois collaborated with Heartland's Todd Blanton and Larry Preston in design of the blade. Heartland has completed the design of its 100KW turbine to be in prototype by end of 2008 or early 2009. The turbine has been designed for high efficiency in low to moderate wind speeds. "This is the wind speed that is most common in the United States," Todd Blanton, VP of Research and Development, stated. Blanton went on to further explain, "It is a very necessary step to manufacture our own blade. This blade does not exist currently and is larger than all the other 100KW blades in the market." Heartland will begin building the blade manufacturing plant in September.

Larry Preston, VP of Engineering, further commented "Heartland's vendors are all U.S. based companies and have out-performed all expectations to bring a very unique turbine to market. Our vendors have worked hand in hand with our engineering team and we have had much help from the aerospace and metallurgy sectors."

Both Blanton and Preston would like to get Iowa State University involved with their efforts. "It is a great opportunity for Heartland to have such talent so close to us," Blanton commented. In preliminary discussions with Iowa State University engineering department heads "there seems to be a good synergy between both organizations," Charles Sharp states.

Thanks to all the support that Heartland has received from the Mount Ayr community, Ringgold County Development Corp., and State Agencies "we are ready to go," states Blanton and Preston. Our decision to manufacture our blade design was no easy decision but we feel it is a necessary step to accomplish our goals and better control our own destiny.

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