

VERTICAL AXIS WIND TURBINE (VAWT)

The WindCutter's use of airfoils provides greater efficiency than traditional VAWTs. The greater efficiencies are a result of the turbine's ability to spin faster than the wind. Our VAWT systems will operate in any direction of wind flow, rotate quietly and will not damage the environment. The vertical design eliminates the weight and gear box, thereby providing more efficient production of energy, along with low and high speed wind capture. Our VAWT system will allow for maximum extraction at its base and it can withstand a higher degree of harsh environmental conditions.

Sauer Energy VAWT systems are fueled by wind, a clean renewable source. This energy does not pollute the air like power plants do. They rely on combustion of fossil fuels, such as coal or natural gas. Sauer Energy VAWT systems don't produce atmospheric emissions that cause acid rain or greenhouse gases, and ultimately, climate change.

Wind energy can be harnessed domestically. Sauer Energy VAWT systems rely on an unlimited resource, which is inexhaustible. Wind is actually a form of solar energy. Winds are created by the heating of the earth's atmosphere by the sun, the rotation of the earth and the earth's surface irregularities.

Our efforts to produce the smallest carbon footprint possible make Sauer Energy a leader in renewable energy.