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Karayel

Karayel is a shrouded horizontal-axis small scale wind turbine.

Due to unique design that we have focused on, when compared to conventional wind turbines, Karayel produces higher energy in the same atmospheric conditions and works efficiently at low wind speed. In addition to this, when considered other wind turbines, Karayel has some advantages like low maintenance cost, passive yaw control, low noise level and remote monitoring and management system.

Our main purpose is meeting energy need of off-grid GSM operators with Karayel. With the development of communication technology, number of base stations and energy need are increasing dramatically. Our product meets these needs with a cheaper and cleaner energy than current energy sources they use. Our purposes in the medium term are meeting energy need of off-grid meteorology stations, off-grid radio and tv broadcast towers. In the later days, we are targeting to install Karayel in agricultural areas, detached houses, state institutions and organizations, factory buildings and housing estates. We are not planning to get into only Turkish market but also foreign market.

We are about to start prototype production. We will install one of the prototypes in OSTIM Organized Industrial Site Green Building and install other prototype in one of the base stations of Turk Telekom (GSM operator in Turkey).

Team:

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