The bottom air inlet of the wind turbine cabin

At high speeds, a good inlet will allow the aircraft to maneuver to high angles of attack and sideslip without disrupting flow to the compressor. Because the inlet is so important to overall ...

All turbine engines have an inlet to bring free stream air into the engine. The inlet sits upstream of the compressor and, while the inlet does no work on the flow, there are some important design features ...

At subsonic speeds, the ideal inlet is a "pod" or "pitot" installation, as seen on most modern jetliners. This makes full use of the "ram effect" and has minimum size, weight, and effect on the aircraft"s ...

In a traditional horizontal axis wind turbine, the nacelle is placed on top of a vertical tower carried by bearings, which allows the nacelle to rotate in the horizontal plane, facing the...

The free-stream air enters the jet engine at the inlet (also referred to as intake). There exist a variety of shapes and sizes dependent on the speed regime of the aircraft.

The air entrance is designed to conduct incoming air to the compressor with a minimum energy loss resulting from drag or ram pressure loss; that is, the flow of air into the compressor ...

To preserve continuity of mass flow across the propeller disc, the slower air exiting the disc downwind swells out to produce a slow-moving wake that is wider than the propeller disc itself.

This page contains generic information on the Air Inlet section of the turbine engine.

Upon entering, the technician finds themselves in the lower part of the wind energy generator, where the control panels are located, overseeing various aspects of the turbine"s ...

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As air molecules are trapped and begin to be compressed in the inlet, much of the pressure loss is recovered. This added pressure at the inlet of the engine increases the pressure and airflow to the ...

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