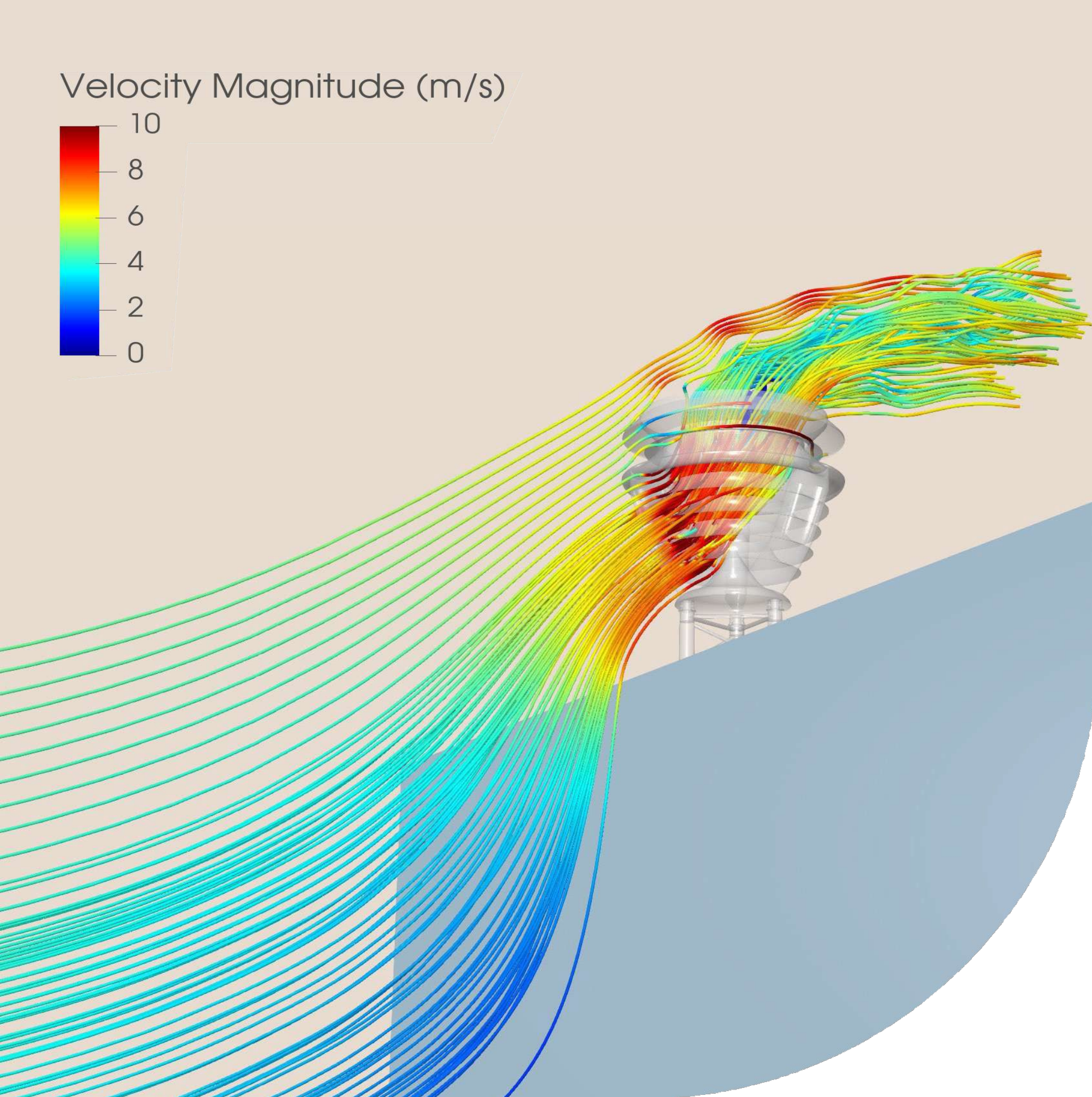


VX175

WIND TURBINE



How it works

Ventum's patented technology revolutionizes wind energy production by streamlining and accelerating turbulent winds at the edge of buidings.

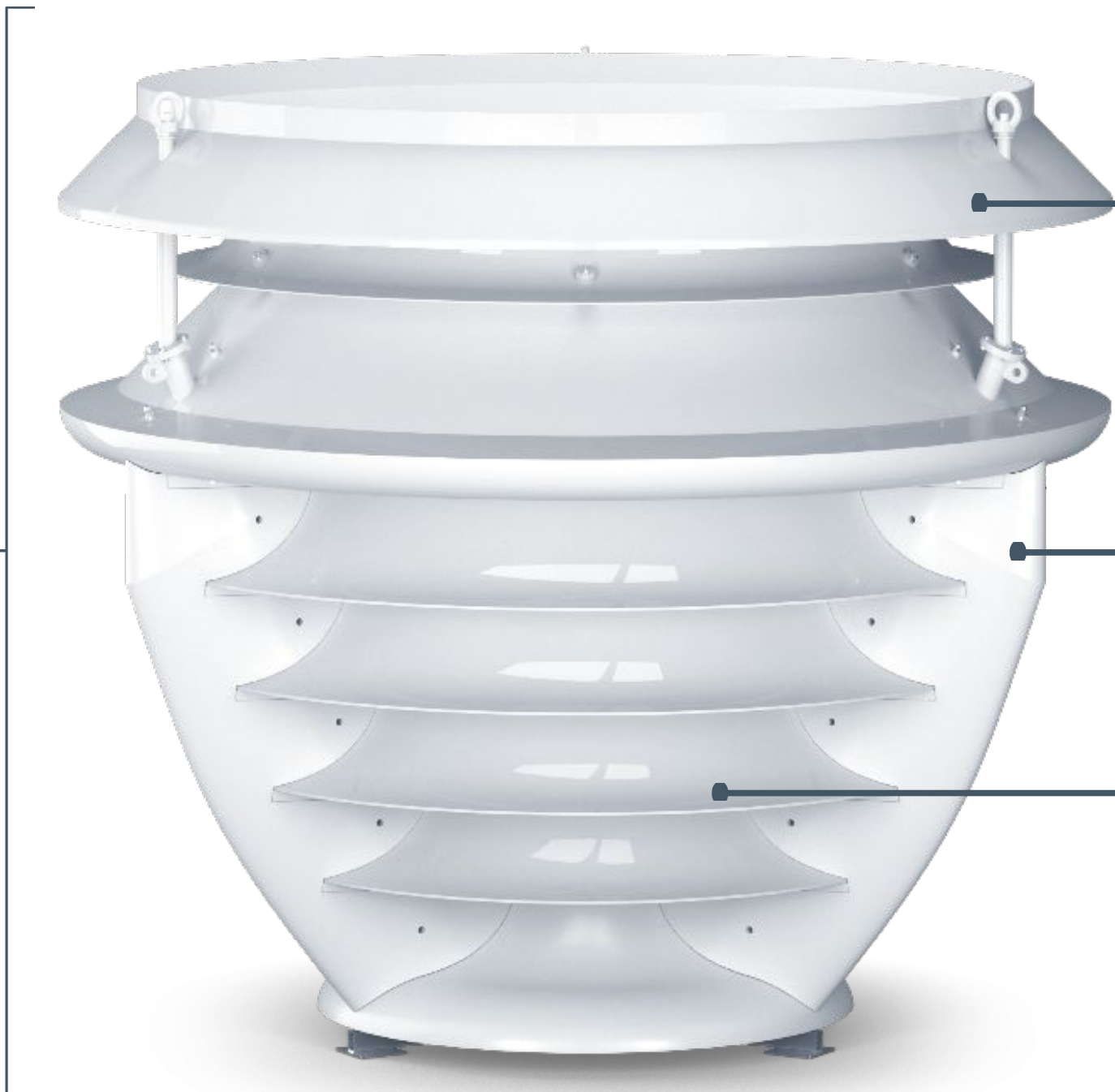
With unparalleled efficiency in low wind areas, the Ventum is setting up the new standard for urban wind generation.

Innovative turbine design



ROTOR

Inside the non-moving shroud, a horizontal axis type aero-foil rotor is deployed in a vertical axis



SHROUD

Due to wind acceleration by the shroud design, a higher volume of air flows through the turbine. The entering wind is focused directly towards and across the full rotor disc with minimal energy losses, to capture maximum power at the rotor.

DIFFUSER

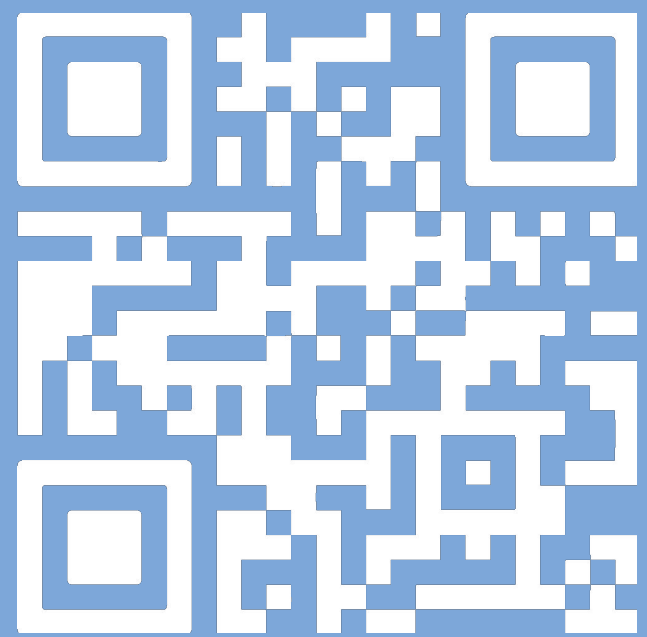
The wind flowing over the shroud sucks more air through the rotor with the vortices it generates and pushes away the "spent" air exiting the top outlet.

FIN

Helps the shroud to guide wind into the turbine and rotor.

VANE

Concentrates and accelerates the wind and guides it into the rotor.



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