

Sensor Name	Description	Units	Location
Unit_4_Power	Power generated by the turbine	MW	Generator
Unit_4_Reactive Power	The voltage needed for regulating the grid	MW	Generator
Turbine_Guide Vane Opening	The percentage that the valve is open	%	Runner Input
Turbine_Pressure Drafftube	Pressure at the exit of the turbine's runner	kPa	Runner Exit
Turbine_Pressure Spiral Casing	Pressure in the spiral casing	kPa	Turbine Shell
Turbine_Rotational Speed	Speed that the shaft is rotating	RPM	Shaft
mode	Engineered Feature: start or operation. Start is when the turbine is being turned on. Operation is when the turbine is operating normally	N/A	N/A
Bolt_1_Steel tmp	The temperature of the steel for bolt 1	C	Bolt 1
Bolt_1_Tensile	Bolt 1's tensional load (pulling apart)	µm/m	Bolt 1
Bolt_2_Tensile	Bolt 2's tensional load (pulling apart)	µm/m	Bolt 2
Bolt_3_Tensile	Bolt 3's tensional load (pulling apart)	µm/m	Bolt 3
Bolt_4_Tensile	Bolt 4's tensional load (pulling apart)	µm/m	Bolt 4
Bolt_5_Tensile	Bolt 5's tensional load (pulling apart)	µm/m	Bolt 5
Bolt_6_Tensile	Bolt 6's tensional load (pulling apart)	µm/m	Bolt 6
Bolt_1_Torsion	Bolt 1's torsional load (twisting)	µm/m	Bolt 1
Bolt_2_Torsion	Bolt 2's torsional load (twisting)	µm/m	Bolt 2
Bolt_3_Torsion	Bolt 3's torsional load (twisting)	µm/m	Bolt 3
Bolt_4_Torsion	Bolt 4's torsional load (twisting)	µm/m	Bolt 4
Bolt_5_Torsion	Bolt 5's torsional load (twisting)	µm/m	Bolt 5
Bolt_6_Torsion	Bolt 6's torsional load (twisting)	µm/m	Bolt 6
lower_bearing_vib_vrt	Vertical vibrations on the lower bearing	mm/s	Lower Bearing
turbine_bearing_vib_vrt	Vertical vibrations on the turbine bearing	mm/s	Turbine Bearing
timepoints	Time at which the measurements were taken	Clock Time	N/A