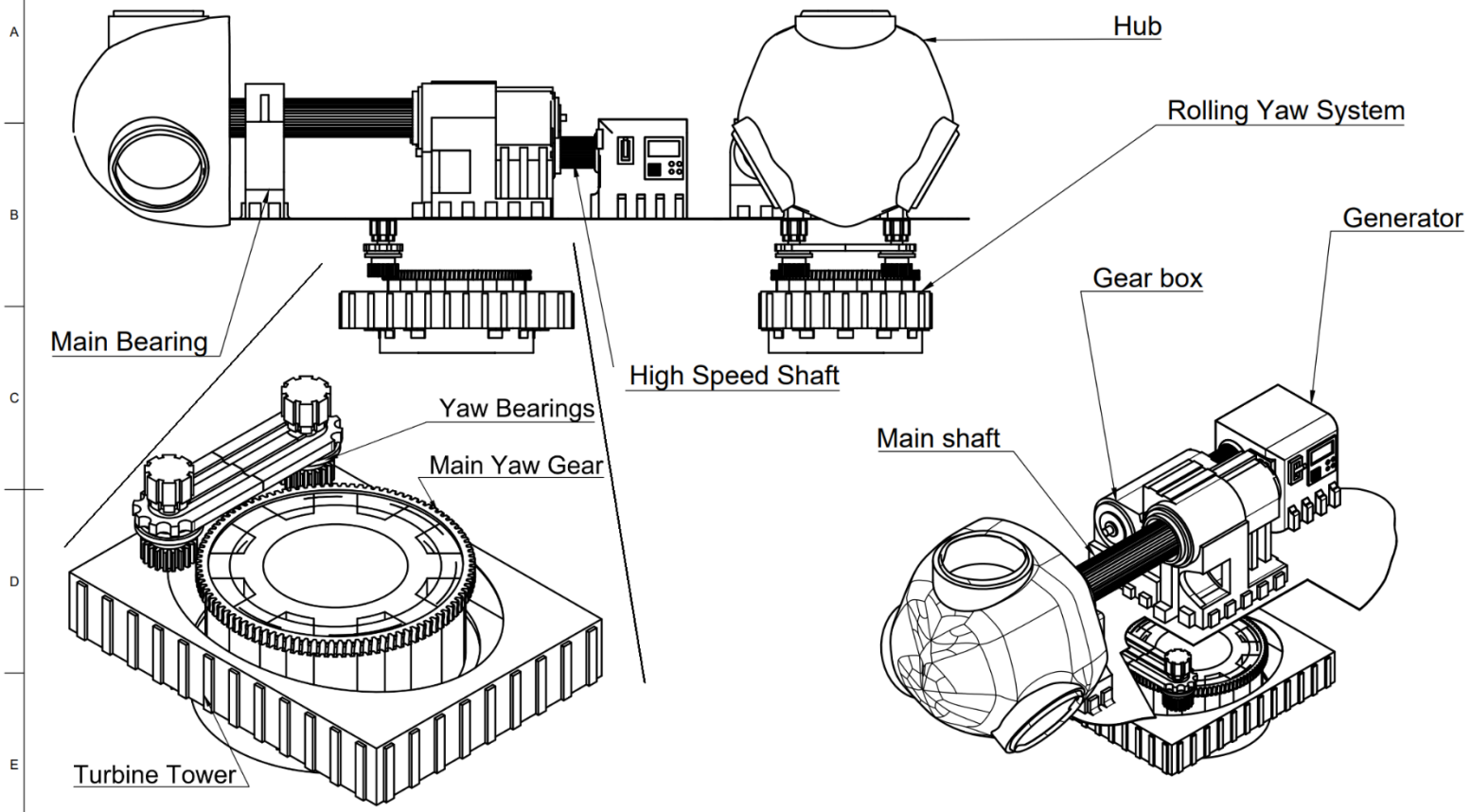


Dept.	Technical reference	Created by	Approved by
MENG	NACELLE	REUBEN MARLAND 23/05/2021	REUBEN MARLAND 23/05/2021
		Document type: PROJECT DRAWING	Document status: COMPLETE
		Title: Nacelle	DWG No.: Outline
			Rev.: DUE / Date of issue: 24/05/2021 / Sheet: 1/1

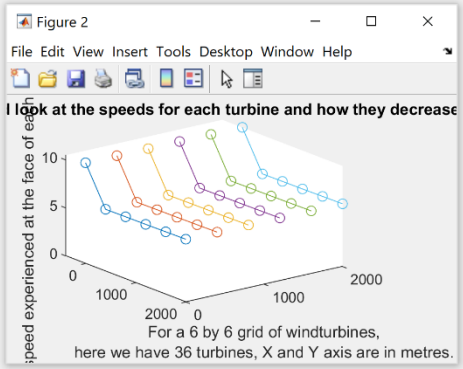
Figure 1

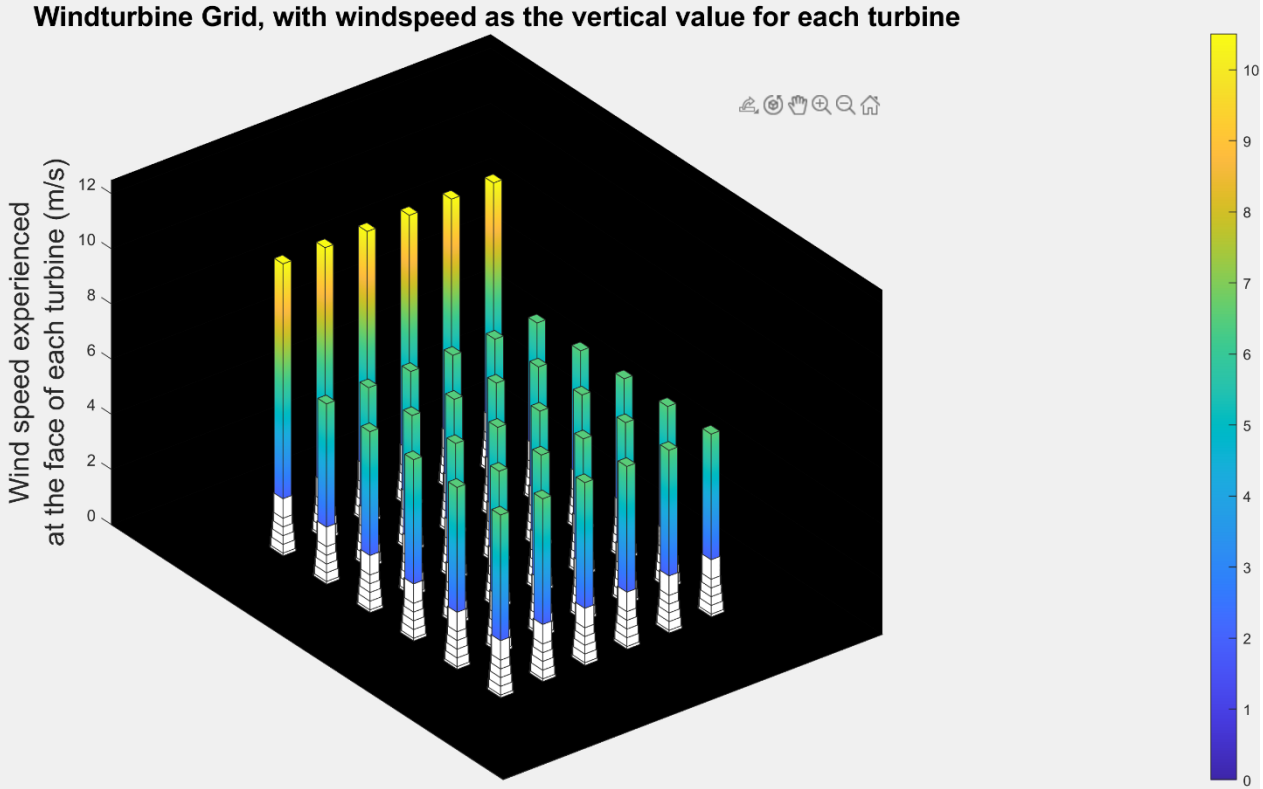
File Edit View Insert Tools Desktop Window Help

For a 6 by 6 grid of windturbines,
here we have 36 turbines.

Weather data:
Month = 'January'
Wind direction (°) = 180
Air density (kg/m³) = 1.2863
Initial wind speed = 10.5
Yaw angle = 0

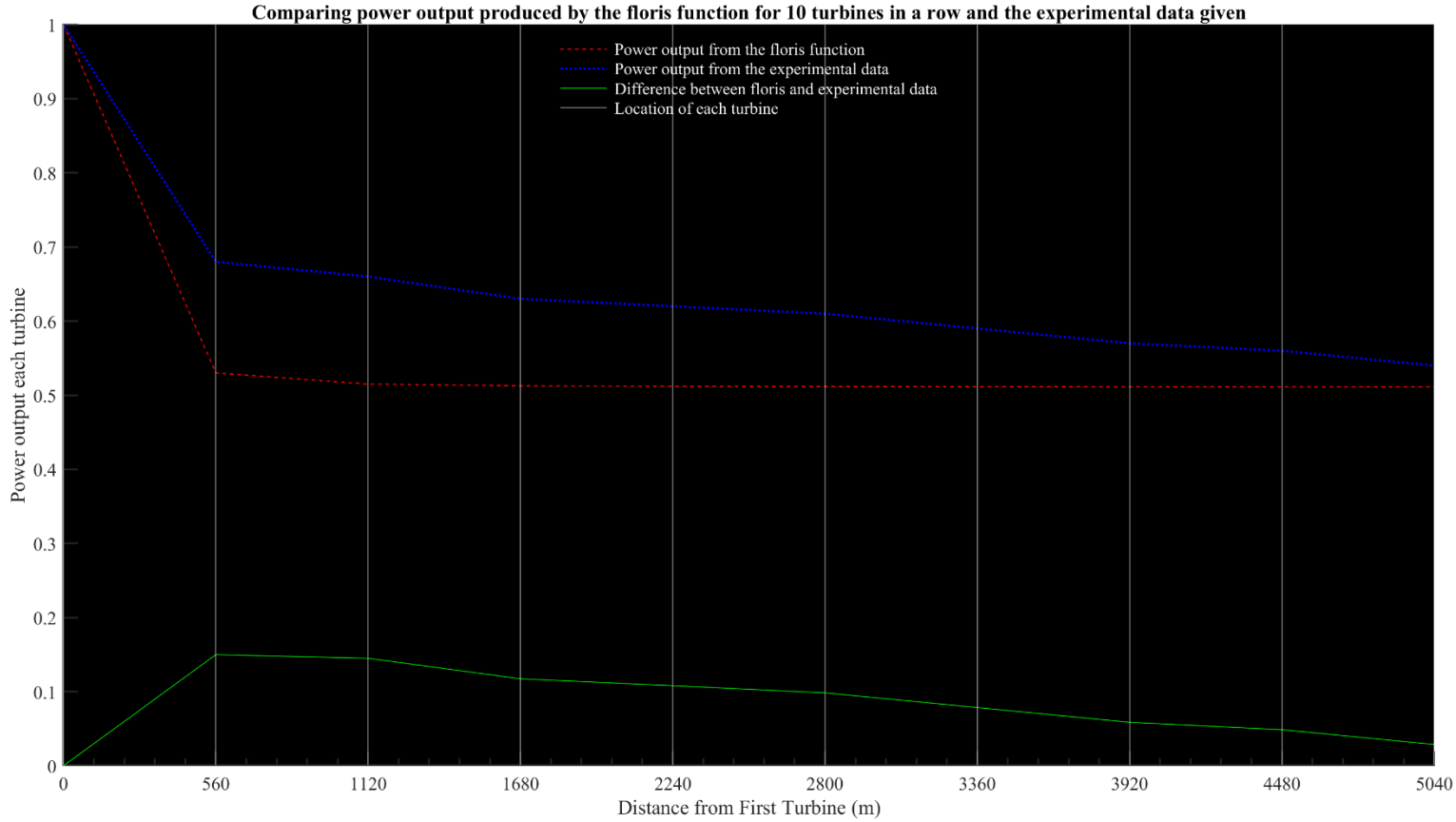
Each wind turbine is 400m
perpendicularly away from
its adjacent neighbouring turbine.



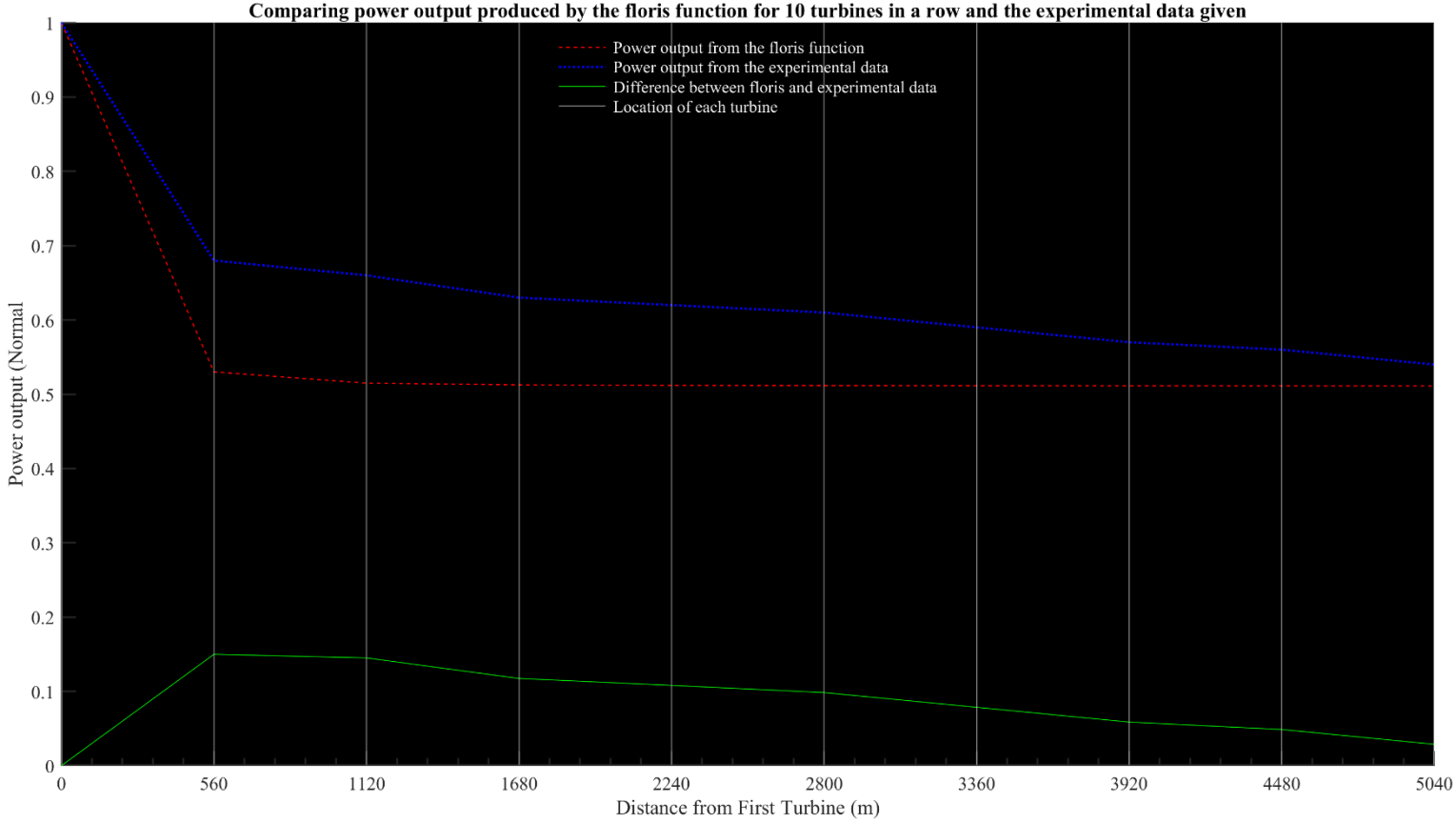


0 Degrees wind-direction perpendicular to the Wind speed Axis/Z axis

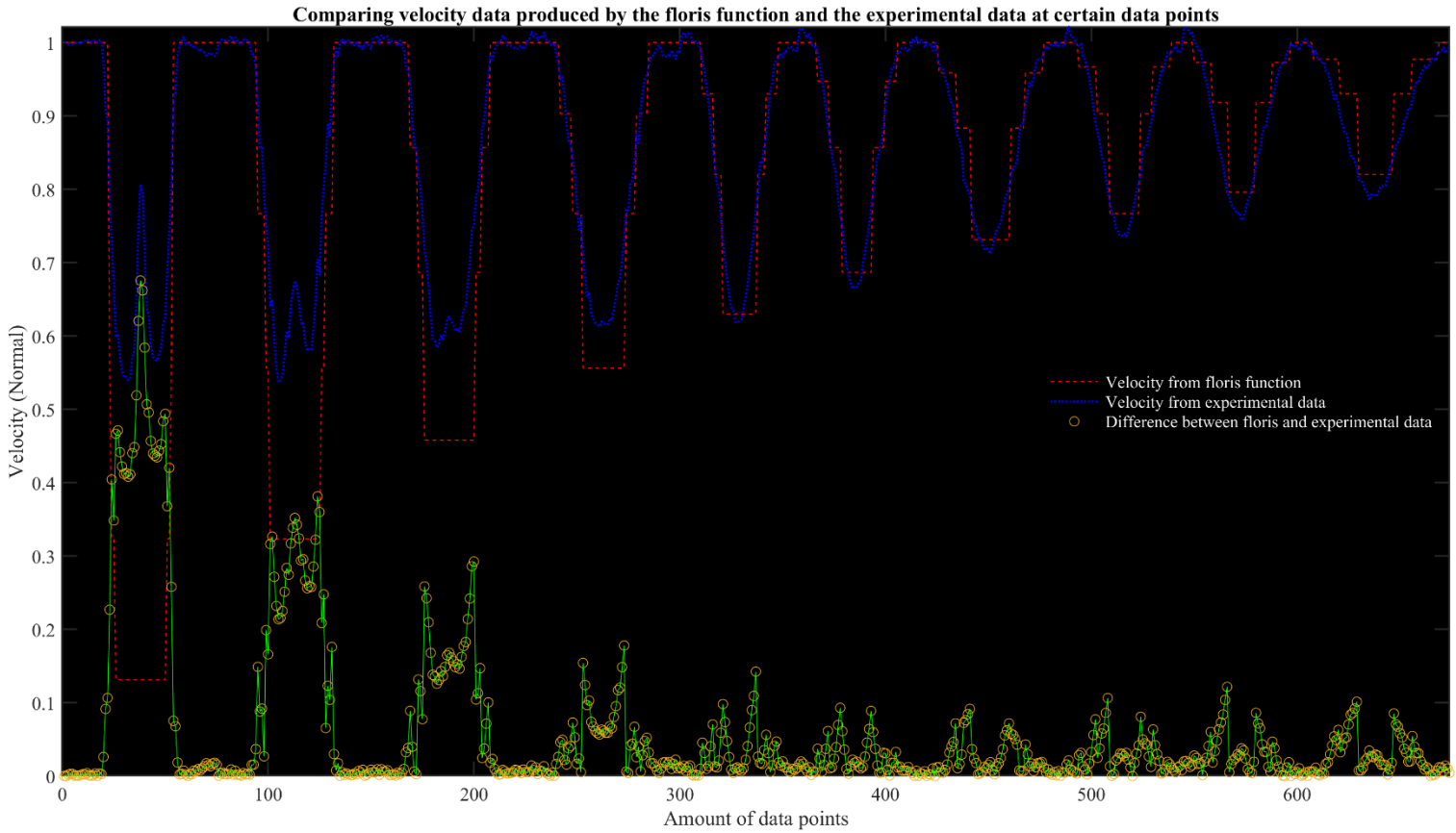
This is data for 10 turbines in a row
Wind direction = 0°
Yaw angle = 0°
Density = 1.225 kg/m³
Blade diameter = 80 m
Wind speed = 10 m/s
The turbines are spaced out between eachother by the white lines



This is data for 10 turbines in a row
Wind direction = 0°
Yaw angle = 0°
Density = 1.225 kg/m³
Blade diameter = 80 m
Wind speed = 10 m/s
The turbines are spaced out between eachother by the white lines



This is data for 1 turbine
Wind direction = 270°
Yaw angle = 0°
Density = 1.225 kg/m³
Blade diameter = 0.416 m
Wind speed = 10 m/s
The turbine is 10m from the front of the tunnel and 3 metres from the floor



Weather data:
Wind direction (°) = 180
Air density (kg/m³) = 1.2863
Initial wind speed = 10.5
Yaw angle = 0

Each wind turbine has
an 80 metre diamter