**General Mesh Generation Procedure for Wind Turbines**

1) use O-mesh to generate the fully structured mesh around the blade in a cylindrical shape; modify the tip and maybe the trailing edge to avoid mesh skewness;

2) rotate it by +/-120 degree to form meshes for the other 2 blades to form the rotor mesh;

3) use SpappyHex to generate farfield mesh and combine it with the rotor mesh through non-sliding AMI to form the complete Openfoam mesh.

If there is a tower and a nacelle, then from rotor mesh, we need to fill in the gap with SnappyHex to form the rotor disk mesh first, then generate the farfield mesh and combine it with rotor disk mesh through sliding AMI