```
wind_farm_model = partial(
    py_wake.wind_farm_models.engineering_models.All2AllIte
    ke_deficitModel=py_wake.deficit_models.noj.NOJDef
    0.09, use_effective_ws=True

    py_wake.rotor_avg_models
    =py_wake.superpo
    =py_wake.d
```

PyWAsP
Python-based API for WAsP

PyWASP is a powerful software tool that provides users with easy access to the functionality of WAsP, which is the industry-standard PC software for wind resource assessment and wind farm planning.

With PyWASP, users can easily integrate WAsP's powerful wind resource prediction capabilities into their own Python-based applications and projects. This allows users to integrate WAsP into their workflows and automate certain processes. With its intuitive Python-based API and comprehensive documentation, PyWASP streamlines the process of getting started and enables users to utilize WAsP's robust capabilities to their full potential.

PyWASP simplifies common wind resource assessment tasks, including:

• Estimation of energy yield, including wake effects

• Extrapolation of wind climates horizontally and vertically

• Generating wind histograms and fit distributions

• Preprocessing of terrain data

• Estimation of terrain effects

For more information, please visit www.wasp.dk/software/pywasp or write to pywasp@dtu.dk