

```
+-----+
| WindTurbine |
+-----+
| - model: string |
| - bladeLength: double|
| - powerOutput: double|
| - rotorSpeed: double |
+-----+
| + getModel(): string|
| + setModel(string): void |
| + getBladeLength(): double|
| + setBladeLength(double): void|
| + getPowerOutput(): double|
| + setPowerOutput(double): void|
| + getRotorSpeed(): double|
| + setRotorSpeed(double): void|
| + calculateEnergyGenerated(hours: double, windSpeed: double): double|
| + printDetails(): void |
+-----+
```