**Concept**

The objective of having a nature inspired design is to be achieved by making it adoptable to environmental stimuli. That is it will behave differently in windy situations and differently when there is no wind around focusing on sunlight only.

**Features**

Flexible solar panels will be pasted to the blades. These solar panels will be lightweight. These two characteristics of attached solar panel make them very useful. This makes them ideal to be applied on curved surfaces or structures where weight is an issue. Flexible solar modules can be glued directly to the surface and thus there is no need to use existing penetrations in the surface or make new ones.

**Technical Details**

- **Rotor Diameter**: 9 m
- **Opened wings Diameter**: 20 m
- **Wind turbine mode**
  - 50 kw wind turbine
  - 10 turbines
  - **kWh/y**: 130,000
- **Solar mode**
  - 50 m² area of each blade x 3 = 150 m²
  - 10 x 150 = 1500 m² total solar panel area
  - **kWh/y**: 100,000