Rotation mode with wind direction

When the middle sticks become vertical again, the structure will spread and the wind will push it back.

When the wind hits the sheets, the structure rotates.

The rotation of the middle sticks shrinks the structure and the springs can turn it against the wind direction.

The force exerted by the wind lifts the kite-like shape.

The wind passes through the structure.

The spring shrinks.

The wind passes and lifts the structure.

The spring expands.

A deformable structure has been selected for movement and flexibility against changing wind forces.

The wind hits the structure and lowers it.

In another type of design, the structure is fixed and moves in any direction the wind blows. When it blows from both sides, the structure waves with the periodic vortex force like a flag and it’s possible that with this flexible pattern can work in a turbulent flow.

It feels like being a little bird and sheltered under mother’s wings.