



PLP Australia Bird Flight Diverters installed by FulcrumAir drone at PEC

## Bird Flight Diverter installation at Project EnergyConnect

### Project Overview

Project EnergyConnect is a landmark energy infrastructure initiative linking the power grids of New South Wales and South Australia, with a connection into Victoria.

This energy interconnector will help reduce electricity prices for households and businesses, improve energy reliability, and enable renewable energy generators to connect into the national grid.

Spanning 900 kilometres, the transmission line runs from Wagga Wagga (NSW) to Robertstown (SA), with a connection into Red Cliffs (VIC).

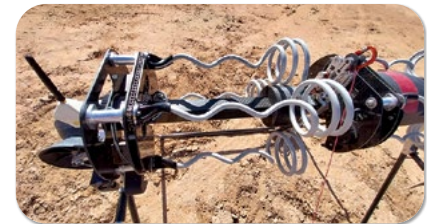
As part of the project, Bird Flight Diverters were installed to enhance environmental protection. These devices are a proven, low-cost solution that make overhead power lines more visible to birds, reducing the risk of bird strikes while also helping protect valuable transmission infrastructure.

### PLP Australia and FulcrumAir Solution

PLP Australia in partnership with FulcrumAir, installed 2000 PLP Robot Bird Flight Diverters in 10 days with a two-person crew, one light vehicle, one FulcrumAir E2500HP drone and one FulcrumAir-PLP LineFly robot.

Installing such a large number of Bird Flight Diverters using conventional methods would have been time-consuming and labour-intensive, requiring heavy machinery to operate in challenging terrain. Additionally, these methods expose crews to safety risks, extend project time lines and contribute to increased overall costs.

Through the installation of Spiral Bird Flight Diverters, Project EnergyConnect not only strengthens Australia's energy network but also ensures greater harmony between critical infrastructure and the natural environment.



FulcrumAir E2500HP drone with FulcrumAir-PLP LineFly robot installing PLP Robot Bird Flight Diverters onto PEC transmission power lines.

### PLP Robot Bird Flight Diverters

PLP Robot Bird Flight Diverters (BFD-MS) were designed specifically to be installed with drone technology and are:

- > lightweight, with minimal wind resistance,
- > designed with a positive grip to remain securely fixed in place, even under aeolian vibration, and
- > shaped to increase the visibility profile of conductors, without creating a bulky outline.

### Utility Owner

- > Transgrid

### Customer

- > Secure Energy Joint Venture

### Site Location

- > Project EnergyConnect Buronga, NSW, Australia

### Supplied Products

- > 2000 PLP Robot Bird Flight Diverters (BFD-MS)
- > FulcrumAir-PLP LineFly Robot
- > Transmission Line Hardware



PLP Bird Flight Diverter