AF12 – FAN POWERED ORIENTATION CONTROL

The Roborigger AF12 is a load orientation system that uses two lightweight fan modules. The fan modules are mounted on pallet sized bases that include forklift pockets for easy handling. They also have a lifting point at the top of the frame. The modules are self-contained and have a dedicated battery pack.

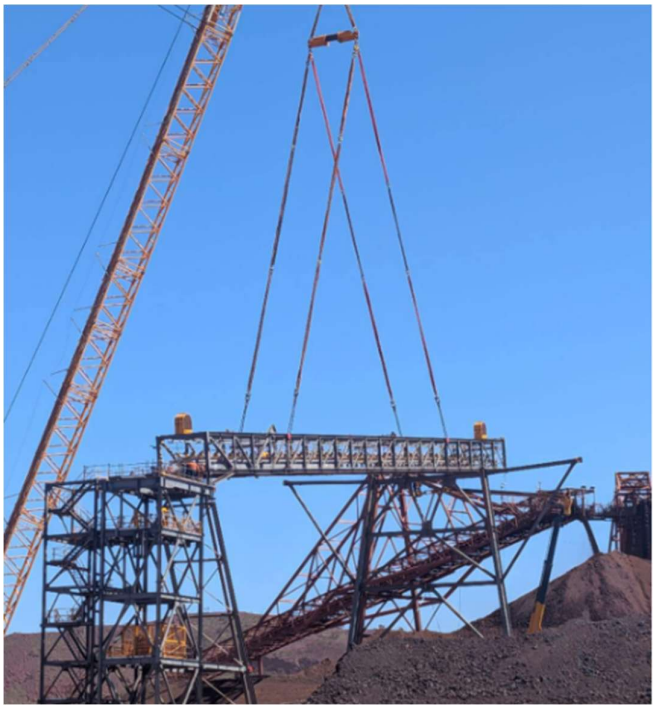
The fan modules are designed to be located on the structure to be lifted or they can be attached to a spreader. By placing them as far apart as reasonably practicable on the structure a very significant controlling torque can be applied. They can be secured to the structure or spreader with cargo straps, load binders or other means. There are numerous holes, slots and lugs for different securement methods. After the lift is completed, the modules can be quickly removed and relocated on the next lift..

The AF12 has been designed to control the orientation of long and heavy items such as assembled crane jibs, bridge girders, smaller wind turbine blades etc. The ability to control the load depends on the mass moment of inertia of the load, its windage and shape. The unit can control the orientation of girders up to 50m long and 300t in weight in winds less than 5m per second. Open structures such as crane jibs are controllable in significantly higher winds.

The AF12 is operated by a single remote control. The unit is internet connected by 3g/4g for online monitoring.







KEY FEATURES:

- Wireless remote using 2.4 GHz or 433/ 868/915MHz crane controller
- Optional 3g/4g modem to provide internet connectivity with remote monitoring using Roborigger IoT website
- Can be attached to load or to spreader
- Multiple attachment points for simple attachment to structure or spreader

SPECIFICATIONS:

Module Size: 1.4 (W) x 1.0 (D) x 1.9m (H)

Operating temp: 0 to +50C

Weight: 350 kg each module

Charging: 110V / 240V 10A Charging takes approximately 6 hours

Duration: battery pack suitable for an estimated 30 lifts with large loads. Swappable battery pack option available.

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