



**Benefits**

- Increased Range
- Radio Controlled
- Operating parameters transmitted wirelessly & automatically
- Single unit packed for easy shipment

The Large Field Beacon (LFB) is a larger version of the standard AC Beacon Tracker System providing increased detection range.

It operates under the same principles as the standard AC Beacon, and uses the same software interface for operation. Unlike a standard AC Beacon, however, it requires a mechanical lift to deploy, a 6kW generator to power, and it uses large solenoids and a different electronics control box.

Once an LFB is set up, its location & direction needs to be surveyed accurately and entered into RivCross. This provides the known location from which all steering decisions are made. LFB has the option to be generally operated remotely using a radio modem kit, which allows two-way communication without needing to connect the LFB directly to the computer running RivCross, or manually.

Overview of project using Big Beacon



Overview, Aberdeen, Hong Kong

**The Big Beacon consists of:**

- Skid with inbuilt solenoids attached on a rotary table
- 4 adjustable leveling feet
  - 4 c-clamps for the feet
  - 4 Cords to secure the feet to the Beacons
- Power supply
- Radio modem kit for remotely triggering Beacon

**Specifications**

Solenoid Length:	92" x 92" (2.3 x 2.3 m) deployed [92" by 30" (2.3 x 0.7 m) stowed]
Weight:	1540 lbs (700 kg)
Ships (on its own skid):	Skid weight 200 lbs (90 kg)
Setup Area Required:	A flat, level, magnetically clean surface, 98.5" x 98.5" (2.5 x 2.5m) or larger
Input voltage:	11.5 - 12v
Power Supplies:	90-240v AC, 50-60hz. 15 amps, 6kW generator OK
Maximum range:	1300 ft (400 meters)
Precision:	Away, Elevation, and Right +/- 2% of LFB to Probe distance
Drilling Azimuth Determination (relative to solenoid axis):	+/- 1°
Remote or manual activation Survey time:	20 seconds
Compass Interference:	None
Radio Interference:	None
FCC Regulation:	None