



"Wireless" Traffic Control Solutions

APPLICATION: *Radio-Activated Cattle Crossing Flashers*
LOCATION: New South Wales, Australia

Description

STC furnished equipment for the equivalent of an at-grade "pedestrian" crossing for cattle. A large ranch in the state of New South Wales had a mining road which split the property. Cattle have to be moved nearly every day across the road. The crossing features a double swing-out gate to hold the cattle in the pastures and to block the road when the cattle are crossing.

The customer wanted a system which will transmit a signal down the road to a solar-powered flashing beacon assembly to warn mining trucks of cattle crossing the road ahead. For redundancy, each gate has a solar-powered sensor station with a radio transmitter. When the gates are in the fully open position, a magnetic switch is closed on each side of the road and transmits a pulse train to the advance flasher stations. The sensor/transmitter station is an enhanced version of the STC pedestrian button station.

The advance flashers consist of dual 8-inch beacons mounted in a roadway cattle sign. The flashing beacon stations consist of the STC XSR beacon line used for Type 1 crosswalks.

STC furnished the design and the majority of the equipment for the project. STC's Australian distributor Traffic Tech Pty Ltd. furnished solar modules and batteries per the STC design from local resources.

About Traffic Tech Pty Ltd.

An Australian company headquartered in Sydney has joined STC's distributor network to produce civil and traffic technology projects in their country.

For more information: <http://www.traffictech.com.au>



System flasher is used twice daily to move cattle between pastures.



Transmitter system detects when gate is open using a magnetic reed relay.



When gates are closed, reed contact drops, transmissions stop and XSR times out, approx. 3 minutes delay.



continued on next page

Take these steps to insure the success of your solar-powered project:

1. Location - identify the site of the application; for example, the nearest town, village or city and state.
2. Load - specify the number and size of lamps, timers or other controls (anything which draws power).
3. Duty Cycle - determine how many hours per day and which days per week the load will be drawing power.

Go to "Send us your requirements" at www.SolarTrafficControls.com/support/requirements.php for more details.

Solar Power: a free source of energy

STC's solar-powered systems are designed for quick and easy installation in the field. Our careful front-end engineering minimizes your installation costs and provides years of trouble-free operation. The standard solar power system includes the solar array, system enclosure with all the necessary electronics, color-coded wiring harnesses, sealed batteries and full documentation. DC LED lamp kits can also be purchased. These include the LED beacon, lamp housing and mounting hardware.

STC Systems are Cost Effective

Our solar flasher systems allow you to stretch your budget to obtain the traffic safety devices you need at affordable prices. Most systems are equivalent to the cost of obtaining an AC power drop. Battery life is typically three to six years; less expensive than grid electricity for the same period of time.

Solar Traffic Controls (STC) provides solar-powered traffic control systems for city, state and federal DOTs; police, firefighting and public works departments; facility maintenance and plant safety industries. Our primary products are solar-powered flashing beacon systems used for school zones and 24-hour applications. We also supply specialized flasher systems using environmental sensors and custom communications packages to control the flashing beacon systems. Our product spectrum also includes wireless power systems for ITS, EMS and HAR. STC's products and services are sold through a network of regional distributors who offer technical support for your project.

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