Chronos GPS Solution assists Boat Race and London Marathon

CASE STUDY

Introduction

A provider of outside broadcast services is engaged to film the annual Oxford and Cambridge Boat Race. This involves employing a number of motorcycles each fitted with a special rearward facing seat for a cameraman to travel alongside the Thames recording the event.

An uplink microwave antenna is mounted at the front of each bike and a GPS antenna is positioned near the foot plate. The signal is transmitted to an aircraft via a microwave link, however, the strength of the transmitted microwave signal is swamping the signal to the GPS reception used for location purposes.

Solution

The provider required a solution to overcome the interference and contacted GPS specialist solutions supplier Chronos Technology. To overcome the interference and provide sufficient filtering to protect the integrity of the GPS signal, Chronos recommended a Low Noise Permanent Mount GPS Antenna which uses a narrow band filter to provide clear GPS signal reception while minimising loss-of-lock even in challenging conditions including moving applications.

The solution was a complete success and the provider used the same system to film the London Marathon.

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