

Internav[®] SAT

TRACKING SYSTEM

PRODUCT INFORMATION

General:

Internav[®] SAT is an Automatic Mobile Location, Tracking, Navigation, Management and Control system which utilises the Navstar Global Positioning System (GPS) and Optus MobileSat System to provide communications between the central control station and mobiles. The tracking system, located at the control station, automatically (or upon user request) dials up the specified mobile units via the PSTN phone connection, issues position requests for selected mobiles and displays the positional information on the computerised map.

The control station consists of a PC loaded with **Internav[®] SAT** tracking software which is connected via modem to the Public Switched Telephone Network. Tracked mobiles are equipped with a Satellite phone connected to a GPS (via data port).

SYSTEM COMPONENTS

Base Station Computer:

Pentium processor
32MB RAM minimum
MS Windows 95, 98, NT
2 serial communications port
1 parallel printer port
SVGA (800x600x256) graphics card minimum
1 1.44 HD 3.5" diskette drive
100 MB HDD minimum
Microsoft mouse
Internav[®] SAT Tracking Software

Base Station Communications Hardware:

Hayes Compatible Modem
PSTN telephone connection

Mobile Communications Hardware:

Westinghouse S3000 Satellite Phone
NEC S2 Satellite Phone
GPS (NMEA 0183 format)

FEATURES

- Tracking, following and finding mobiles, shown on colour scanned maps of your choice
- Automatic recording of all emergency and safety events into an event log file
- Collision detection - warning when mobiles are too close to each other
- Alarm Zones - warning when mobiles enter restricted areas
- Corridor Zones - warning when mobiles leave designated travel routes
- Waypoint Proximity - notifying a mobile upon approaching a checkpoint (waypoint)
- Telemetry - finds the nearest or furthest mobile to a destination and displays the mobile speed, distance, bearing and ETA to a selected location
- Textual and photographic information attached to every mobile and waypoint
- Mobile position recording for later playback and analysis

Internav[®] SAT is one of a range of Mobile Tracking solutions from **ICS COMMUNICATIONS** with various 'tracking station to mobile' radio carriers available. These include VHF/UHF radio, trunking networks, mobile data terminals, HF SSB radio, Inmarsat-B, Inmarsat-C and the GSM mobile phone network.

Internav[®] is the complete mobile tracking solution and is currently being used in Australia (Western Australia, New South Wales, Australian Capital Territory), Hong Kong, China, Malaysia, Thailand, Korea, Nigeria, Algeria, Uganda, New Zealand and United States.

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