

## v2track – A Next Generation Hybrid Sat/Cell Tracking, Communication and EFB System

For almost a decade, v2track has been tracking aviation, vehicle, marine and forestry assets around the world. First developed in remote regions of Australia's Northern Territory, v2track's unique Hybrid Satellite/Cellular product allows organisations to cost-effectively track their assets using low-cost cellular data networks where there is coverage, switching to Iridium Satellite everywhere else. This ability to predominately use inexpensive cellular networks allows highly detailed, high rate data (15 second intervals) to be sent the majority of the time reducing cost and potentially massively reducing search areas.

An advanced system such as this is often used for far more than just real-time tracking. The ability to feed supplementary data into v2track hardware via digital and analogue inputs, USB, RS232 and other serial protocols opens the system up for use in a variety of general and customised applications. A popular example of this is to relay destination and flight plan information drawn from a Garmin GPS back to the v2track servers allowing for the display of real-time ETA's and other information to the end user.

Along with the standard GPS and speed based alerts you might find in other tracking systems, v2track carries additional triggers. A benefit to helicopter operators for instance, is the software's ability to distinguish between hovering and ground idle. It can also identify abnormal and emergency situations including rapid ascent/descent, tail rotor failure and engine over-torque. These emergency events can unfold quickly so automatic detection and transmission provides an increased chance an alert will be sent before possible impact,



*The detail provided by cellular (15 second) updates is clearly seen as a 'v2track'ed aircraft joins the circuit and lands at a remote Australian airstrip.*

especially if the pilot is too preoccupied to push the emergency button. The extra detail v2track provides can also greatly enhance Chief Pilot monitoring of flying and post-incident/accident investigation.

The increasingly common use of Bluetooth capable tablets has also enabled v2track to enhance its advanced messaging system. Users can now establish and maintain 2-way communication with ground staff via website, SMS and email and directly to/from other aircraft in a fleet. It is also possible to view current/last known fleet positions. The ability to record and transmit custom flight/job manifest data to assist with flight following has also proven popular. A customised v2track solution may also allow tracking and manifest data to be pushed directly into an organisation's existing system reducing double handling and paperwork.

v2track is now an approved AFAMS provider allowing Australian operators involved in aerial firefighting to feed their aircraft positioning data directly to the NAFC while on contract. The detail and cost savings provided by v2track's 15 second updates (on cellular) really stand out compared to 1-2 minute updates from other tracking providers in this kind of work.

Whether you have one or many helicopters or aeroplanes, it is worth checking out how v2track can boost the safety and efficiency of your operation. For more information and user stories, please visit [www.v2track.com](http://www.v2track.com)

## Next Generation Hybrid Satellite/Cellular GPS Tracking



*15 second low cost updates where cellular signal is available, switching to Iridium Satellite data only when required!*



- Advanced 2-way Messaging
- Helicopter Flight Stage Detection
- AFAMS Approved for AU firefighting
- Electronic Flight Manifest



[www.v2track.com](http://www.v2track.com)