

GPSat
SYSTEMS AUSTRALIA
Pty Ltd

43pl is the international consortium of SMEs in the CRC for Spatial Information

GPSat Systems Australia is an industry leader in providing quality satellite navigation engineering solutions for defence and industrial applications. GPSat Systems is the sole regional distributor for NovAtel Inc precision GPS/GNSS Receivers, Spirent Communications GNSS Simulation equipment and GPS Networking products.

Services

Supported by a dedicated team of engineers with broad multidisciplinary skills in electronics, software, geomatics and RF communications engineering, GPSat Systems delivers the highest levels of technical support and professional competency for all products and services represented. Through numerous design and implementation projects the company's engineering team has extensive experience with GNSS /IMU system integration, software development, laboratory GNSS signal simulation and product testing. In addition, the company is intimately involved with several of Australia's leading academic research projects while also actively participating in both domestic (IGNSS) and international (IoN) technical industry forums.

Market Sectors

Since 1993, GPSat Systems has delivered innovative satellite navigation equipment and system solutions in response to a broad variety of industry needs. Today the company continues to undertake "challenging" project work in the "frontier" GNSS application areas, whereas the customers have had neither the skills nor technical resources to realise such projects. These areas include Defence platform integration and NavWar simulation testing, aviation navigation and aerospace, mining bulk materials handling and container terminal machinery automation, thoroughbred training to name few. New technologies associated with 3D machine positioning and GNSS environment monitoring will continue to be developed by the company into the future.

Product / Service Examples

3D Spatially Aware Machines: 3D-SAM
The marriage of high accuracy GNSS satellite navigation precise positioning and orientation technology with modern 3D gaming software for autonomous machine control and guidance. On machine 3D-SAM processing coupled with high speed network communications allow machines to participate in advanced 3D spatial missions totally aware of their orientation and volume in space occupied. Machine spatial-AI applications.

RF Interference Geolocation Project

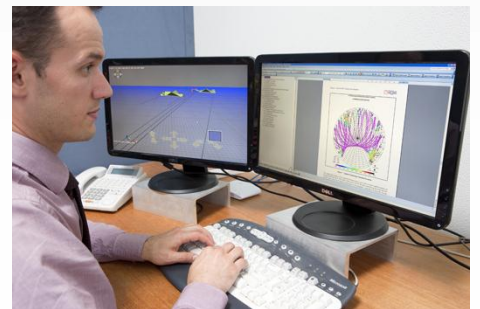
In Combination with ARC, UNSW and UniAelaide a joint R&D project to develop advanced RF interference detection and geo-location technologies to deal with future RF jamming threats to mission critical GNSS users. GPSat Systems as the commercialisation entity intend to deploy the technology across future high priority military, aviation and industrial GNSS infrastructure.

Spatial Information Disciplines

Receivers & antennas, software solutions, Signal conditioning, Consulting

Company website

www.gpsatsys.com.au



CRC for SPATIAL INFORMATION



www.crcsi.com.au