



**Components & Sub-Systems
for
Positioning, Navigation and Timing (PNT)
Applications
from
Chronos Technology**

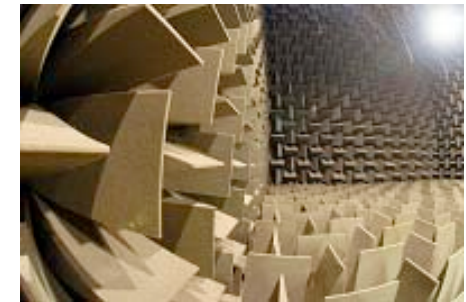
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Applications

- Asset Tracking
- Military Hardware
- Transporting GPS over Fibre
- Oil Industry
- Wireless
- Testing
- Instrumentation
- Installation Services

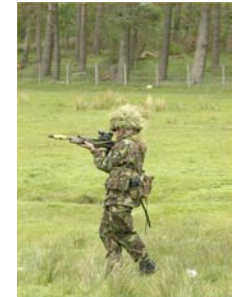




Asset Tracking



- GPS/GPRS tracking units
 - Integrated antennas and rechargeable battery
 - High sensitivity using assisted GPS technology
 - Completely configurable over the internet
 - Portable format for personnel
 - Rugged weatherproof enclosures
- GPS/WiFi tracking
 - Location communicated via 802.11x standards





Military Hardware



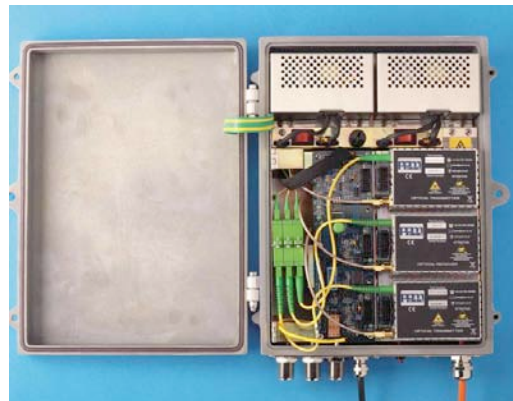
- GPS Reradiating Solutions for aircraft maintenance facilities and military aircraft and vehicles
- Miniature GPS Antennas for Future Integrated Soldier Technology (FIST)
- GPS Timing Receivers for electronic counter measure applications
- GPS Location Receivers for asset location





Fibre Optic Links

- ViaLite Metro-GPS Fibre Optic Link
 - Transporting GPS RF signals to locations remote from the GPS antenna
 - Applications that demand accurate timing, location or mapping information (Cellular base transceiver station (BTS) sites and public mobile radio networks eg TETRA)





Oil Exploration



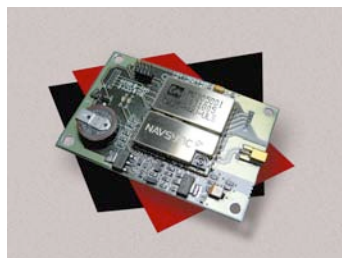
- GPS Reradiating Solutions for oil survey vessels to rebroadcast GPS signals inside ships' operations rooms
- GPS Timing Receivers for seismic survey operations
- GPS and IEEE1588v2 for synchronising sonar workstations
- Dual Frequency GPS L1/L2 Receivers





Wireless

- GPS Timing Receivers for 3G microcell base stations
- GPS Timing Receivers for WiMax base stations
- GPS synchronisation and location solutions for Femtocells





Testing & Shelters

- Portable EMC enclosure providing a screened facility for RF applications requiring a quick simple and low cost solution for field solutions or additional shelter within a production test environment
- Available in different sizes and custom shapes to suit various requirements





Ordnance Survey – Continuously Operating Reference Stations



- Installation services at up to 110 CORs sites
- Site surveys to produce method statements and risk assessments
- Removal and reclaim existing hardware
- Install new RF cables and site GNSS antennae
- Install GNSS receivers and communications equipment
- Perform system test and ensure station is reporting correctly to Ordnance Survey HQ
- Provide full documentation for each site upgraded



Instrumentation - GNSS Simulators

- Chronos will be representing Cast Navigation in Europe
- Cast offer Simulators for GPS L1, L2, L2C and L5 bands
- Complete SV Constellation Generation
- Ionosphere Modeling
- Troposphere Modeling
- Multipath Modeling





Instrumentation – GNSSWatch

- GNSSWatch
 - Monitoring GNSS Integrity in real time
 - Web based system
 - Mission Critical Applications
 - Monitoring against following references
 - Telecom Grade GPS
 - Rubidium
 - eLoran





Value Added Services - Turnkey Solutions

- Consultancy
- Site Surveys
- Installation
- Commissioning



- Security Clearance
- Climbing Certification
- Electrical Certification
- Health & Safety Awareness





GPS, Galileo Components & Sub-Systems from Chronos Technology

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