



Stars Navigation Technologies Ltd.

*~ Navigate your future ~*

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# Company profile

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## **Stars Navigation Tech Ltd.**

StarsNav Tech Ltd. designs, develops and manufactures wireless Telematics GPS application products, including GPS ANTENNA, GPS MOUSE, ACTIVE ANTENNA, MARINE ANTENNA, GPS/GSM ANTENNA, BLUETOOTH GPS RECEIVER, WIRED GPS RECEIVER, AVL SYSTEM.

With our cutting edge technology and advancing product integration, StarsNav R&D team have devoted in product design, field operation testing, electronic hardware, software and communication firmware integration, and RF and digital signal integration for over 20 years.

With our innovative products and highly effective solutions, StarsNav's customers have confirmed the quality and the reliability of our visionary products. With our competitive price and great service, we rouse the most customer satisfaction, and stimulate not only the growth of ourselves but also the growing of our customers' business scale.



# Competitive advantage

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- Experience in quality and reliable system control for direct RF, GPS, wireless and Telematics technology products for 20 years.
- Complete product quality control and short lead-time.
- Design-house ability for project analysis and system integration.
- Welcome OEM/ODM project.
- Adding value product design for field testing and mass production.
- Reliable customer relationship management.
- Planned product roadmap.



# Product and technology

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- GPS antenna
- GPS/GSM antenna
- Marine antenna
- GPS receiver
- AVL Rover-combined AVL and car alarm
- GPS module & antenna solutions

# GPS antenna



## ■ STR-1 Anti-signal Interference

- Excellent Anti-signal Interference Capabilities
- Compatible with almost every GPS receiver
- applications in the fields of AVL, vehicle navigation, aviation and military use.
- Features
  - Narrow bandwidth: <50 MHz
  - Wide power supplier voltage from +2.5V ~ +12V.
  - RG174 double shield low loss, 2.7mm size.
  - Short-circuit protection as standard design.
  - RF protection in the fron end
  - Cable can be up to 10m.

# GPS antenna



- **STR-3 - Narrow bandwidth**
  - STR-3 is also perfect design for any kind of receives on the market.
  - Features
    - Narrow bandwidth: <50 MHz.
    - Wide power supplier voltage from +2.5V ~ +12V
    - RG174 double shield low loss, 2.7mm size
    - 10m cable design

# GSM/GPS antenna



- **Shark Fin**
  - Innovating design antenna with performance, quality and a Power protection circuit built-in to protect the active LNA's
  - Dielectric Patch antenna
  - Low Noise Low drop-out, Linear Regulator
  - GPS receiver short circuit protect



# GSM/GPS antenna

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## ■ Pistola

- The perfect design for radio Telemetry in GPS Telematics
- 10 W RF protection for GPS Receiver front end
- Jamming immunity
- EMI suppressor filter



# Marine GPS antenna



- RF protection circuit built-in
- power supplier from 3v ~ 12v for any kind of receivers
- Up to 40 meter cable
- Dual filters BPF & LPF

# GPS signal radiator



- **AMP-10S series**
  - Transmit GPS signal from outdoor to indoor
  - Able to operate GPS receivers inside building or vehicle
  - Plug and play, easy to use and installation
  - Radiation range – one meter

# GSM antenna



- **TLM-3**
  - **806 ~ 1900MHz** Cellular telemetry covert antenna
  - Broadband design for radio Wireless systems
  - 3 meter double-shielded
- **TLM-860**
  - 806 ~ 900MHz operation

# GPS receiver



## ■ GPS Mouse - GM-11

- Self Power with In-Line Battery
- GPS receiver 16 channel
- WAAS, EGNOS, MSAS READY
- Plug-Navigate-Play
- Compact design
- NMEA output
- Water-proof
- Multiple connector types
- Dead-Reckoning enable with less than 3 satellites navigation

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# GPS receiver



- **Bluetooth GPS Receiver BT-15**
  - Compact design-easy to carry
  - Nemerix chipset solution
  - Light weight
  - Ultra low power (up to 20 hours)
  - Sensitivity -147dBm
  - Compatible to most hand-held devices

# GPS receiver



- Bluetooth GPS Receiver BT-16
  - Fujitsu chipset solution
  - Auto switch on/off
  - 32 Satellite channels
  - High sensitivity -157dBm
  - Quick acquisition time
  - High position accuracy

# GPS module



## ■ MTI-1

- SiRF starII high performance
- 12-channel parallel processing
- Cold start under 45 seconds, average
- MCX ,SMA ,SMB or others OEM specified connector available

# GPS module



- **MTI-2**
  - SiRF II GPS Architecture
  - All-in-view 12-channel parallel processing
  - Foliage Lock for weak signal tracking
  - MCX ,SMA ,SMB or others OEM specified connector available



# GPS module

- **MTI-3**

- NEMERIX chipset from Switzerland
- Very low power consumption
- 16 channels “All-in-View” tracking
- On chip 4Mb flash memory



# AVL system



## ■ Rover

- Combined GPS/GSM/GPRS
- Build in TCP/IP PROTOCOL
- Connect to any type of car alarm
- Prevent false alarm
- Already in the market for 3 years
- Highest level of car alarm system in .N.Z.,Australia, USA by insurance company



# AVL solution

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- **Web base control center solution**
  - No human power control center software, reduce cost
  - Able to embed more than 100 format map data format
  - Design for end user car security market.
  - Combined web server, voice server, text server
  - No limitation of vehicle numbers
  - In the market for 3 years



# Product Advantages

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- Total Web base control center software
- Special design for car alarm system
- 3 years on NZ market experience
- Only one insurance company approved GPS car alarm system
- Low cost control center



# Company Vision

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- Innovate new GPS technology for Telematics and personal mobile devices.
- To develop innovative high value products with a cost-effective solution, to make it happen without compromising our low-cost end unit policy, to create high customer satisfaction, and to turn customers into royal StarsNav supporters.
- Continuously developing superior GPS application products maintain absolute superiority.
- Build own brand and be the leading company in Telematics hardware and software integrator.



# Service

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“Customer satisfaction” has always been our core value. We always offer reliable and durable products in affordable prices, and always provide great service to all the customers. Please visit our website [www.starsnav.com](http://www.starsnav.com) to read more about us and our products, or contact us for further information.



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