

Providing solutions for Automotive, Telematics, Industrial and SCADA segments For Domestic and Global markets

Hardware / Software / Product Designs Complying to Automotive & Industrial Standards



Design, Develop, Manufacture & Sales of Products and Solutions based on GSM 2G 3G 4G | GPRS | GPS | RF | WI-FI | Bluetooth Technologies for Telematics, Automotive, Industrial and Solar Domains

In-House R&D With Hardware & Software Designing

ISO 9001:2015 Certified Company

Hardware & Software Customization

BS Technotronics Private Limited (BSTPL), an ISO 9001:2015 company founded in the year 2012 with a dedicated team of Engineers with many years of extensive experience in the fields of Telecom, Telematics, Power and Information Technologies. BSTPL offers high-performance GSM/GPRS, GPS, RF and Wi-Fi/Bluetooth products based on the state-of-art technology meeting toughest operating conditions and customer satisfaction.

To completely meet customer's needs, BSTPL not only provides a wide product range with numerous integrated features capable of meeting the most sophisticated requirements from all market segment, but also provides comprehensive support for system integrators and developers in the development and testing phase of integrating the products. Additionally, timely support is available from BSTPL's software and hardware team, which significantly reduces customer's development time and achieves short time to market.

BSTPL ensures the highest quality of all its products to meet customers' requirements perfectly. Continuous development, utilizing the latest technologies, low power consumption, ease of integration, long-term availability and suitability for the harsh environment are the key features for BSTPL products success.

BSTPL designs all the products following highest standards starting from identifying the components / parts, Schematics, PCB Layout, Gerber, Manufacturing, Testing and Assembly with which the products complies to meet the standards like AIS140, ARAI ... etc

ADVANTAGES & BENEFITS WITH BSTPL:

- Strong R&D with In house hardware and software development.
- Market knowledge and Competitive Prices
- Scalability in shortest time and customization
- Customization of software & Protocol as per customer requirement for faster integration of the devices
- Customised Hardware designing and manufacturing support
- Highly qualified and experienced technical, marketing and management team
- Vast experience in the field of Embedded Systems, GSM, GPRS, GPS, Wi-Fi, RF and Bluetooth Technologies
- Understanding the regulations / Industry standards in the business
- Visit of R&D experts to customer and field locations for on-field support

VISION:

- To provide quality products and services that exceeds the expectations of our esteemed customers.

MISSION:

- To build long term relationships with our customers and clients and provide good quality products and services by Pursuing business through innovation and advanced technologies

CORE VALUES:

- We believe in treating our customers with respect and faith
- We grow through creativity, invention and innovation
- We integrate honesty, integrity and business ethics into all aspects of our business functioning

HARDWARE DESIGN & DEVELOPMENT:

- Expertise in Hardware design of embedded products based on all types of Microcontrollers.
- Vast experience on GSM 2G 3G 4G, GPRS, GPS, RF, Wi-Fi and Bluetooth Technologies
- Design Capabilities up to 6 layer PCB. In-House PCB Design Capabilities
- Hardware / Product Designs Complying to IS 9000, ISO 16750, AIS 004, IEC 60529, IS 2465, ISO 6722 and ISO 7637 Standards
- Evolving and Prototyping of electronic hardware for new products.
- Technology updates for the current products.

SOFTWARE DESIGN & DEVELOPMENT:

- Embedded software development for products catering to Telecom, Industrial and Automotive domains.
- Expertise in embedded firmware development using C, C++ and Assembly Language Programming.
- Experience on all microcontrollers starting from 8 Bit and Microprocessors
- Expertise in Communication Protocols like USB, Ethernet, SPI, UART, I2C, TCP, UDP, HTTP, Modbus, MQTT, COAPP & CAN

MECHANICAL DESIGN & DEVELOPMENT:

- Metal and Plastic enclosures are In-House designed
- Own procurement of raw material for metal and plastic enclosures

PRODUCTS:

GSM/GPRS/GPS Vehicle Tracking Device:

- BSTPL-15: Basic Model with one each Digital, Analog Inputs, Digital Output and SoS Interface
- BSTPL-17: Advanced Model With Digital / Analog IO Ports, RS-232, RS-485, SoS Interface and CAN Interface
- BSTPL-17A: AIS140 Complied Device with CAN

GSM / GPRS Modem:

- GSM/GPRS AMR Modem With RS-232 and RS-485 Interface
- GSM/GPRS Transparent Modem With RS-232 Interface
- GSM/GPRS Intelligent Modem With RS-232 and RS-485 Interface
- GSM/GPRS Intelligent Modem With IO Ports, RS-232, RS-485 and CAN Interface
- GSM/GPRS Modem For Solar Pump-Set Monitoring System

Voice Box:

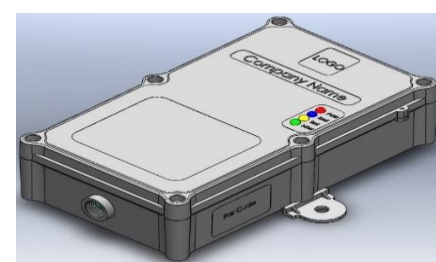
- Voice Box with Automotive Grade Power Supply, RS-232 / RS-485 Interface, 128 MB Memory, Cortex M4 MCU, FR Enclosure, FR Cable, LED Indications and Over The Air files update

RF Reader:

- RF Reader with Automotive Grade Power Supply, 125 MHz, RS-232 / RS-485 Interface, LED Indications, FR Enclosure & Cable, Buzzer indication, 9600 baud rate and ASCII data output

Up Coming Products:

- OBD Tracker with GPS
- Bike Tracker
- Personal Tracker
- Asset Monitoring System
- Modem for Agriculture Sector



Industry Segments:

- Public Transport
- Cargo & Courier
- Emergency Vehicles
- Infrastructure Companies
- Taxi & Cab Services
- Educational Institutions
- Industrial & Automation Companies
- SCADA and Utilities Companies
- Solar Power Sector

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