

AUTOMOTIVE

Periseo has developed a range of automotive products used in both the military and commercial environments. One such product, the intelligent harness system, is a four-wire network that consists of a centralised controller and a number of nodes installed at selected positions on the vehicle to serve the various body functions. The network interconnects all nodes with only two communication wires and a power feed, resulting in a much-simplified, light-weight and short wiring harness for unsurpassed reliability.

Smart Harness Product Range

- Touch panel display
- Harness Controller
- IO Nodes
- Body Controller
- Transient Voltage Suppressor, MIL-STD 1275
- Passenger Counter
- Flexible configuration software



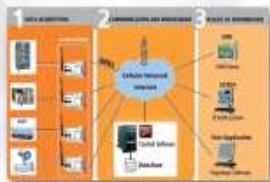
CELLULAR TELEMETRY

Remote Monitoring allows remote measurement and control of parameters typically via the Cellular network through the GSM / GPRS channel.

Typical applications involve the remote monitoring and control of generators, cold storage rooms, vending machines, fleet management, etc.

The main components of the solution are:

- 1) Data acquisition
- 2) Communication & Intermediation (Software)
- 3) Access to information (Final user)



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 Periseo

 Periseo

The name 'Periseo' means to super-abound, to 'greatly surpass' and to 'excel'. The word indicates that the faithful use of one's talents sets the stage for advancement. At Periseo we incorporate the essence of our name into every component of our business, thus ensuring the delivery of ethical, quality and value added products and services to you, our customer.

INTRODUCTION

PERISEO (PTY) LTD is an electronic engineering company providing design, development and consultancy solutions. Periseo offers a comprehensive range of services in the particular area of electronic development and consulting.

Due to the specialised skills and years of experience accumulated in various areas concerned with electronic product development, Periseo has both the skills and specialised equipment to provide professional and cost effective designs and product solutions. Numerous projects have been successfully developed for companies such as De Beers, Denel, SAAB, TDS, and many more.



In addition to electronic engineering research and development Periseo also has an automotive product arm as well as a remote Telemetry arm. Periseo has developed the Smart Harness range of products with product derivatives used in both military and commercial environments.

Periseo also provides a Cellular based remote Telemetry solution using the GSM/GPRS channel. Using remote hardware and a hosting server, physical parameters can be monitored and controlled remotely.

At Periseo we have a strong focus on building long term relationships with our clients. We strive to continually improve our quality processes and efficiency of delivery.

DESIGN SERVICES

Periseo can perform standard electronic engineering tasks required for product development and engineering problem solving, starting from technology studies and research, prototyping through to industrialization, qualification and final production.



Electronic Design Services

- Analogue Circuit Design
- PCB Schematics & Layout
- Mechanical Draughting
- Embedded Hardware Development
- Algorithms and Digital Signal Processing
- Field Programmable Gate Arrays

Software

- Low level and high level languages for embedded applications
- Concurrent operating systems
- Windows & Linux application programming
- Database programming (e.g. SQL)
- Web programming (e.g. PHP scripting)



SPECIALIZED DESIGN EXPERTISE

- Signal Processing (e.g. Radar, Telecommunication)
- Image Processing (e.g. Passenger Counting)
- Control System Design (e.g. Aerospace Application)
- Systems Analysis, Modeling and Simulation (e.g. Scilab)
- Computational Intelligence (e.g. Neural networks)
- Computer and Embedded Networking (e.g. CAN)
- Wireless Networking (GSM, GPRS, GPS)
- Optical Technology (Optical Fibre and IR Sensors)

