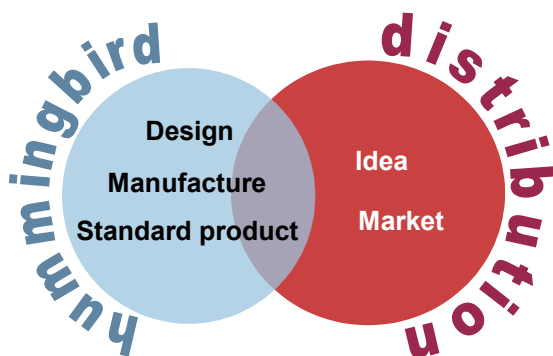




Company Fact Sheet

If it has wheels or an engine and you have an idea, we have the expertise

If you have identified a need within your own business; have seen an opportunity in the market for a product that either doesn't exist or is prohibitively expensive or are simply looking to increase your market share; Hummingbird Electronics would like to discuss your opportunity with you. With an ever increasing range of standard products and the capability to produce new products quickly, Hummingbird Electronics is looking to partner with leading distributors to achieve mutual growth.



Our Services

As well as offering a diversified range of automotive products; Hummingbird Electronics will design and manufacture cost optimised electronic devices, for all kinds of vehicles, to suit your application.

At Hummingbird Electronics, we differentiate ourselves by forming close partnerships with leading distributors to bring new, appropriately priced and innovative products to the market through distribution.

We understand the importance of distribution and the value in the customer relationships and specific market knowledge that distribution achieves. Our joint ventures are successful because together, we manage the customer's need, technical expertise and way to market.

Based in Australia, with design expertise around the world and access to manufacturing resources locally and in Asia; Hummingbird Electronics is ready to make your idea reality.

Standard Products

- Automotive power supply
- GPS speed sender
- Tilt-sensor
- Tilt-switch
- Impact sensor
- Tamper detector



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Case Studies

GPS Speed Sender

A global distributor of fuel management systems relied on distance information, as supplied by traditional gearbox pulse senders. The senders required periodic calibration, were different on every vehicle and unreliable. What's more, many new vehicles started being supplied without pulse sender units meaning that the vehicle's electronics had to be interfered with to obtain odometer information.

Hummingbird Electronics designed and produces a range of GPS pulse sender units that require no calibration, are the same every time, are reliable and produce odometer information independent of the vehicle's electronics. Other GPS senders produced by Hummingbird Electronics can also be used to provide speed information to tachos, boat and other vehicle speedometers, farming equipment and many other speed dependant devices.



Reliable DC-DC Converters

Power converters from 24V to 12V are widely available in the market. Finding a reliable converter that will work in Australian conditions, and that provides protection for the attached equipment in the event of catastrophic failure is a lot more difficult.

Hummingbird Electronics designed and produces a range of low cost power-converters that convert from 24V to 12 and many other voltages. The supplies are protected against transients, have LED power good indicators, offer additional output voltage filtering, are current limited and isolate the output in the event of reverse polarity on the input, or a catastrophic failure.



Tilt Sensors

Automated undersea mining equipment often works in the harshest, zero visibility conditions and relies on high cost Gyroscopes to determine the vehicle orientation and most importantly, it's tilt. A large diamond producer was experiencing increasing down-time due to failing Gyroscopes.

Hummingbird Electronics designed and manufactured ruggedised tilt sensors that communicate three dimensional orientation to the ship based monitoring system. The same sensors can be used to indicate tilt in mining equipment, trucks or other vehicles.



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