
Security and Policing

Integrated systems for vehicles and personnel



Integrated Person and Vehicle Solutions

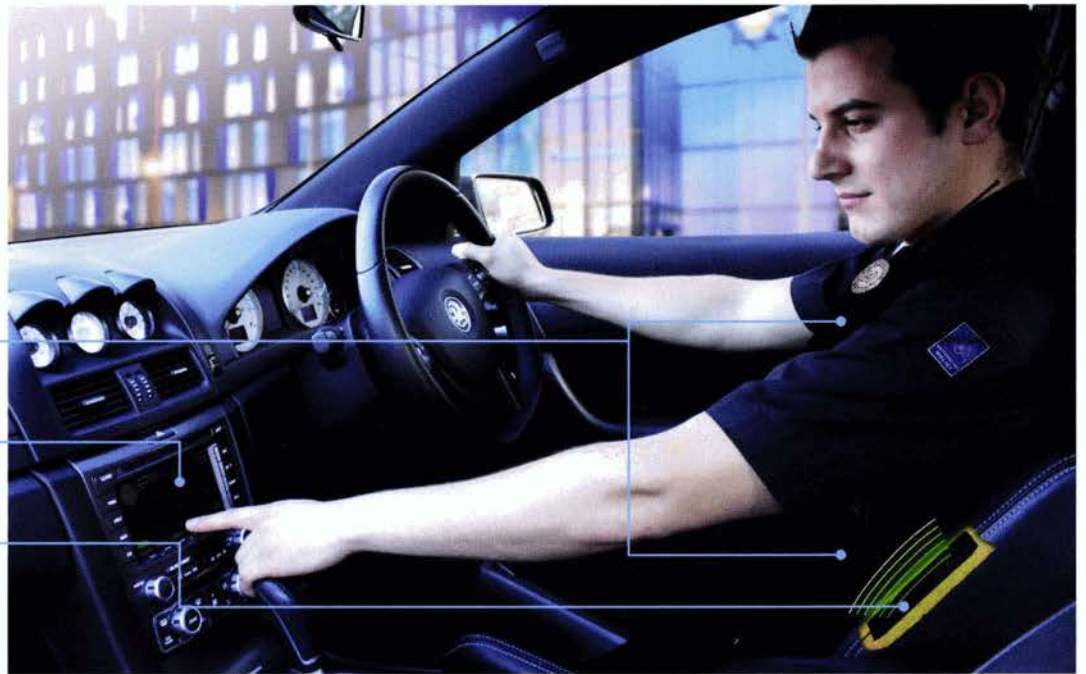
Seamless Integration of Power, Video and Data

Personal area networks:
power, data and video

Integrated video and data
recording

Seat to person inductive
charging *

Vehicle intelligent power
management



Ultra
ELECTRONICS

* in partnership with
Ultra Electronics

Engineering Edge

At Cosworth, we are working with our customers to engineer a better future where things go further. We have successfully transferred the "Cosworth DNA" developed over five decades as a leading technology provider in world motorsport to markets such as aerospace and defence. Our engineering teams in the UK and USA use agile development methods, working closely with our customers to adapt and seamlessly integrate solutions to evolving needs.

We are constantly looking for new markets to apply our technology and engineering skills, and have set our sights on the emerging technology demands of the policing and security sector.



Engine
Control Unit



Intelligent Power
Management

Integrated Vehicle Electronics

Control Systems, Data Systems, Displays and Recorders

Our Key Products and Services

Wearable electronics - we supply low power electronic products and related services to power and connect portable electronic systems worn on the body such as tablets, PDAs, radios and cameras.

Person - vehicle integration - we provide the latest products, technologies and services for improving the integration between occupants and vehicles. For example, inductive power charging between occupant and vehicle seat, or Bluetooth data connectivity with the vehicle.

Mobile data - we supply the latest in wireless products and services for two-way data and video connectivity between vehicles, occupants and central services.

Vehicle systems and services - we provide high tech electronic and mechanical vehicle related products and services including:

- controls, recorders, displays and camera systems from our existing range of electronic products.
- bespoke electronic design services
- integration services
- vehicle electronic research, monitoring and interrogation services
- power-train improvements



Track Record

Up to 2009

Cosworth is a premier supplier of mechanical and electronic solutions to the professional motorsport industry, including engines and car-to-pit electronics, and software design and integration services. Our products range from control inputs, ruggedised displays, electrical power management, data recording and control systems, wearable electronics, telemetry and data analysis. The sports markets remains at the core of our business, with its enduring drive for improvement seeding many of our innovations.

2010

As part of our diversification strategy, we were the first to apply motorsport accident data recording technology to characterise the impact of blast on board vehicles to improve safety. This remains an on-going programme with the UK MOD today.

2011

In 2011, we transitioned adaptable engine management systems from motorsport to the defence environment, to optimise the efficiency of military vehicles, extending range, and reducing fuel use and operating costs.

2012

We developed and integrated HD video and data recording system for high end passenger vehicles, seamlessly augmenting high definition video with vehicle data, allowing drivers to relive their experience and improve their ability.

In 2012 we also built on our power management and wearable electronics experience to develop a wearable secure hub for embedded wired transfer of power and data around a soldier's torso, with inductive power transfer between the individual and his seat.

Contact Us

If you would like to speak with us about your needs, or any of our products and services, please get in touch.
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