



Sustainable Flexi-hybrid™ Delivering Automotive Circularity

In2tec 

INSPIRING SUSTAINABLE TECHNOLOGY

Flexi-hibrid™ Automotive Technology

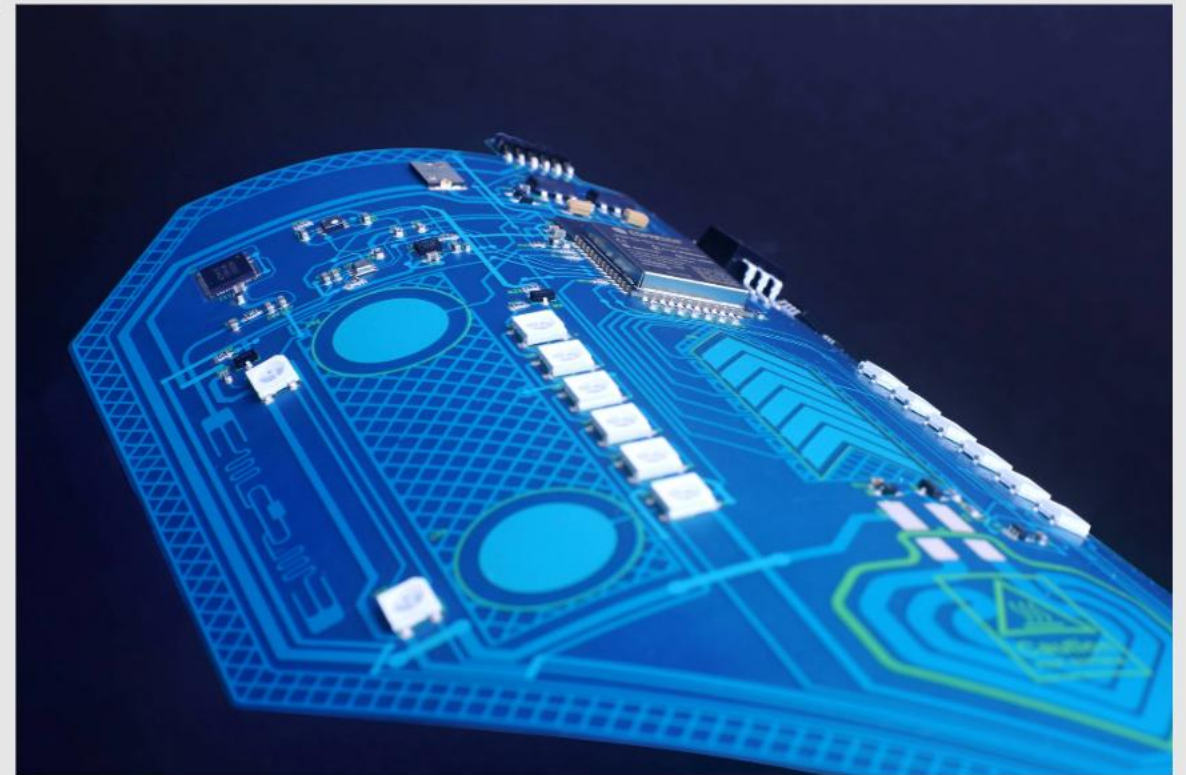
A high level of electronic component integration onto flexible or semi-rigid or rigid substrates utilising conductive adhesive technology.

Create lighter, more conformable solutions with improvements of connectivity and reliability.

Conformable electronics allow significantly increased real-estate usage.

Smarter electronic integration breaks down barriers to design.

Integration of PCBA's in Smart Surfaces to minimise material usage.



Sustainable Styling and Aesthetics

Functionality and unrivalled component placement.

Use of Real Estate.

Packaging and Space.

Weight.

End-of-Life (EOL) unzipping.

Reusable / Recyclable.

True circularity with low CO2e footprint.



OMSE™

On-Mould Sustainable Electronics.

Flexi-hibrid™ and ReUSE® incorporated.

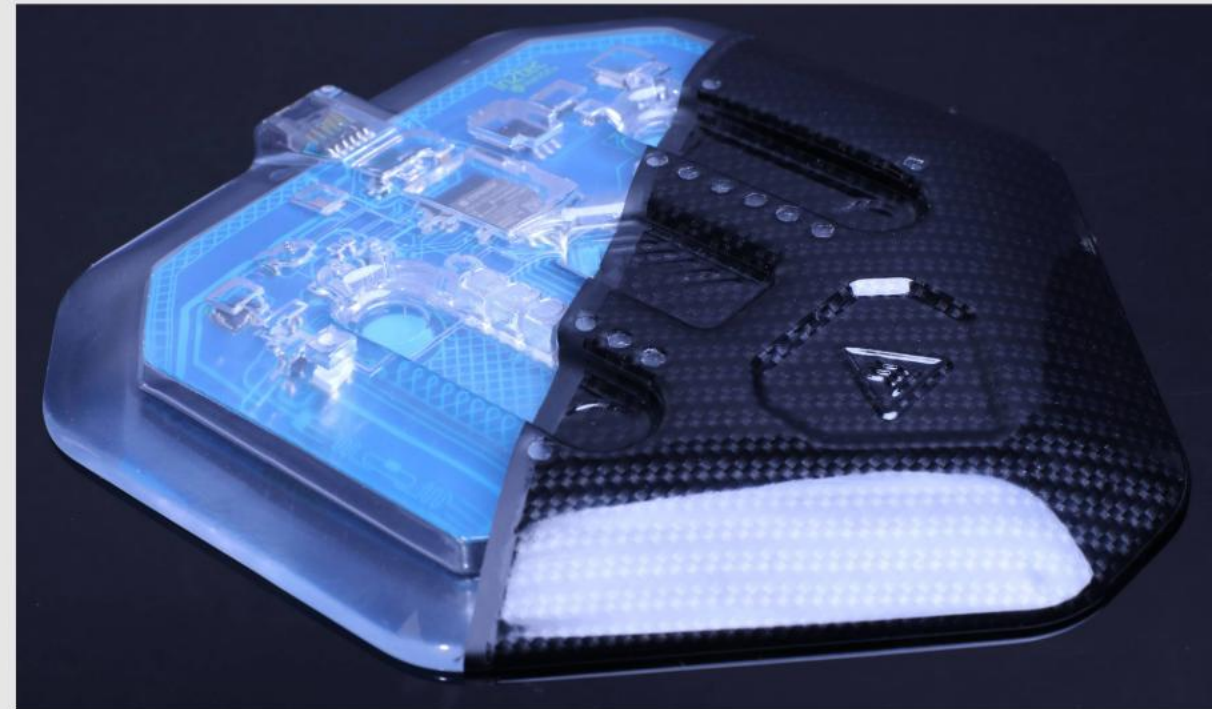
Electronic component recyclability and system integration.

Component count reduction and high reliability.

Flexibility of design through simplifying solution and process reduces cost & increases reliability.

Mitigates costly specialist tooling.

Circularity via ultra-low energy unzipping of all components and substrates for reuse.



ReUSE® and ReCYCLE™

ReUSE® materials, manufacturing process, and proprietary design techniques deliver printed circuit board assemblies that can be fully unzipped at EOL or for repair.

ReCYCLE™ ultra-low energy unzipping mechanism for ReUSE® PCBAs via a combination of proprietary processes and materials taking PCBAs back to the constituent parts.

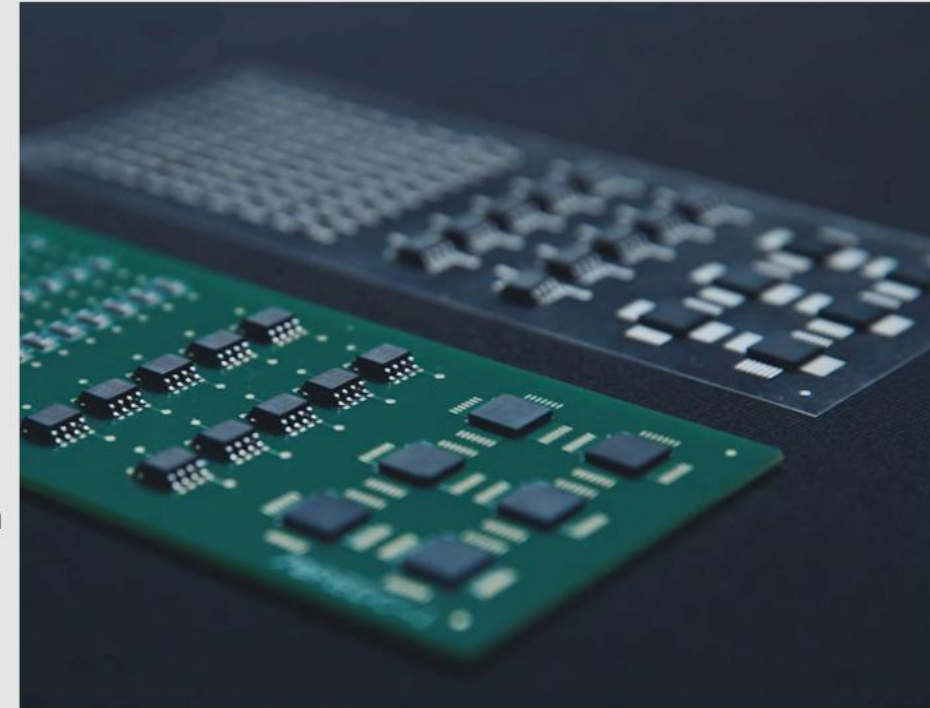
Versatile technology for use with all substrates suitable for electronics.

Significant reductions in the overall energy used to manufacture and to process in repair or EOL.

Provides realisable revenue generation from repairing and/or reusing electronics.

Mitigates obsolescence risk and stabilises the supply chain.

Brings circularity to the industry, minimising the impact on resources and materials.



Investment and Opportunity

ReUSE[®] minimal investment OEMs, CEMs. Existing production equipment can be used.

Option to reuse undamaged and unstressed components both carbon and cost free, resell components, or allow In2tec to buy back components.

Realistic Co2e savings in first life manufacture: ReUSE[®] dMEV saved **101,523kg** per year.
Equivalent of driving **305,819 miles** in a diesel engine vehicle.

Clean, cost-effective mechanism to repair electronics and extend their useful life.

Creates revenue streams into the second-life component market, funding the whole recycle process.

Changes the costing mechanism to make recycling a value chain NOT a cost chain.