



electronic power management





## designed for reliability in harsh environments

Thousands of Ipeco power supplies are currently in service in demanding commercial and military applications worldwide. Operating in challenging situations and harsh environments, our products are relied upon to provide power to a range of mobile, communication, situational awareness and defence systems.

Our power supplies provide exceptional reliability. We maintain effective quality systems that span all design, manufacture, inspection and test activities, including through-life and in-service support.

A specialist OEM

Defence and aerospace

Design and manufacture

Test, supply, quality

Safety, security, support



a world leader in the  
global crew seat market



complete electronic  
power management  
solutions

a growing  
presence in  
executive seating  
and galley inserts



world class precision  
engineering and  
composite manufacturing  
capabilities



award  
winning  
innovation

## our pedigree

Founded in 1960, Ipeco Holdings Limited is now in its third generation of family ownership. During this time the Company has continued to develop valuable long-term relationships with customers and suppliers. Underlying this is a determination by Ipeco to invest, train, and coach its employees to cultivate a high level of opportunity, integrity and performance throughout the business.

These principles, which have been continuously honed through research and development in pursuit of design excellence, form the basis of a work ethic at Ipeco that extends throughout the organisation. From precision engineering and electronic power management solutions, to pilot comfort and safety, to the ultimate galley environment, it's all about rigorous manufacturing standards for challenging environments.

Ipeco provides the infrastructure, management and vision to deliver excellence. It is a socially responsible organisation with exceptional health, safety and environmental practices. Ipeco is resolute in its ambition to be an outstanding employer of choice and a company that customers want to do business with.





## a specialist OEM

"Ipeco Electronics specialises in rugged, high-power-density, low-mass power supplies and systems. Our processes deliver complete lifecycle traceability; from product concept, through design, development, manufacture, supply, service and repair. We are accustomed to stringent external audits and offer exceptional levels of compliance in an ever-changing regulatory framework. We always strive to provide our customers with best-in-class products and services."

*Steve Maryniak, General Manager*



The ability to understand and interpret our customers' requirements, no matter how complex or demanding, ensures Ipeco delivers fit-for purpose, cost-effective power supplies and systems.

Following an initial review of your requirements our experienced design team is able to recommend the most appropriate product type, which will comprise either a Modified Off-The-Shelf (MOTS) or a full-custom designed power supply unit (PSU) to meet your specific needs.

Ipeco will submit draft specifications before embarking on detailed design using the latest CAD, EDA and verification tools. Ipeco also has the capability to design and manufacture your enclosure and other metalwork needs, utilising its precision engineering and dip brazing expertise, to deliver a fully integrated solution.

Prototypes are manufactured for early evaluation and to confirm that the necessary electrical characteristics are met. Ipeco's extensive test facilities can also verify the prototype's performance over a range of environmental conditions.



"As part of the Ipeco group we have access to a significant engineering resource which ensures that the most complex and robust solutions are delivered to withstand the most demanding operational environments. Our collaborative approach allows us to offer innovative power supply solutions and develop longer-term strategic partnerships with our global customers."

*Bruce Lim, Engineering Manager*





# design and manufacture for defence and aerospace

Ipeco's extensive experience in the design and manufacture of bespoke power solutions enables us to deliver:

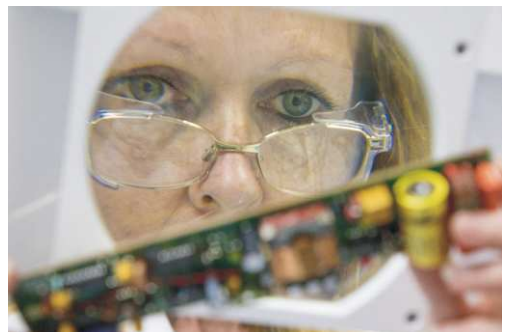
Complete system integration

A quality solution with low project risk

Competitive product pricing

Shorter PSU development times

Higher confidence during development and verification



# capabilities and products



Our Electronics Division employs highly skilled and dedicated electronics engineers and technicians who perform specialised and intricate manual and automated processes, including:

Complete system integration

Electronic and mechanical design

Thermal and vibration modelling

PCB layout, production and test

Environmental & EMC testing

Sub-contract, build-to-print work

Through-life customer support



3U enclosure and VPX power supply



"Open and honest communication and first class support relationships with our customers form the foundation of long term strategic partnerships. We work hard to develop great products and look forward to meeting new challenges."

*Nick Haverson, Business Development Manager*



## Ipeco offers a wide range of commercial and military grade power supplies, as well as complete systems and auxiliary products

These comprise:

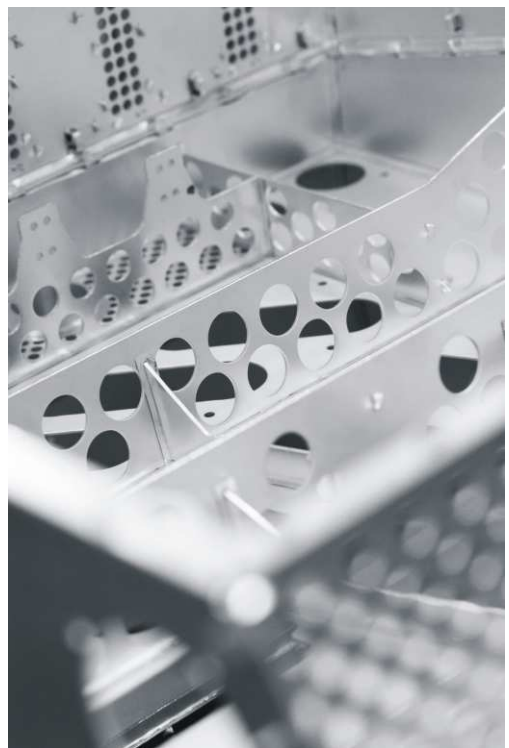
A range of PSUs that follow an industry standard such as VPX or VME, with data sheets available on request.

PSUs, based on existing products but modified for your specification.

Full-custom, bespoke PSUs with full life cycle support.

Complete rack systems and custom enclosures to meet your specific requirements.

Auxiliary products such as filters, power hold-up cards and intelligent battery chargers.



Bespoke enclosure

## quality and test

Ipeco is committed to delivering high-quality performance for our customers and every product is subject to a rigorous inspection and test programme throughout the manufacturing process.

Our in-house environmental stress screening facilities include

the capability to undertake combined thermal and vibration cycles to confirm performance over a wide range of conditions.

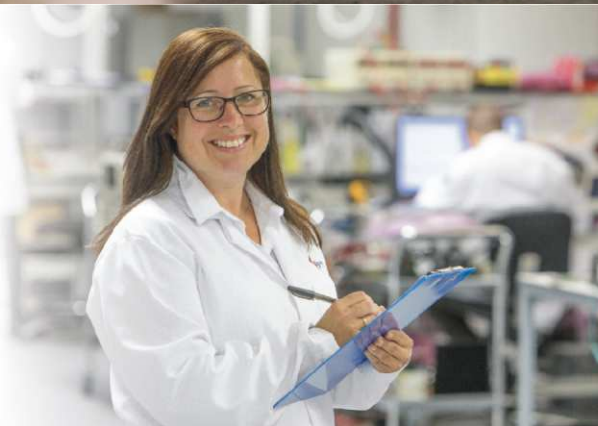
Ipeco's quality control and assurance procedures are world class and subject to continuous improvement programmes.





"Integrity, reliability and compliance are essential to our success. Ipeco Electronics takes this responsibility very seriously and works hard to ensure our products and procedures meet and exceed all customer and regulatory demands in an ever-changing world."

*Collette Morgan, QA Manager*





# keeping the power supply going

Ipeco is proud to employ some of the most experienced power supply specialists in Europe. We invest heavily in design and manufacturing equipment and also in the ongoing development of our people. We want to be a partner of choice, not only to our customers but also to those who work for us.

Ipeco power supplies are embedded in systems for fixed and rotary wing aircraft and a range of land and sea based platforms. We specialise in small batch, high value, military grade products and can design and build any power management system to meet your exacting requirements.





# a flexible approach

Engaging with Ipeco Electronics early in your development programme will deliver the optimum solution to your power needs.

To find out more visit: [Ipeco.com](http://Ipeco.com)



6U custom enclosure









Manufacturing • Distribution • MRO

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