

Albacom have been providing solutions to power supply problems for 25 years and have a wide range of circuit designs which can be applied to most Power Supply requirements.

From 2 volts to 20 kilovolts and from 20 watts to 40 kilowatts, Albacom can provide a power supply to fit your needs.

For high power or high voltage we have a range of standard products or we can tailor a solution to match your specification precisely. The voltages you need from the prime supplies you have, with controls, monitoring and built-in test facilities all engineered to suit your system.

Within our ISO9001 approved factory in Dundee, Scotland, we have all the facilities to design, develop, produce and test power supplies to your specification thus reducing lead times and costs for you the customer.

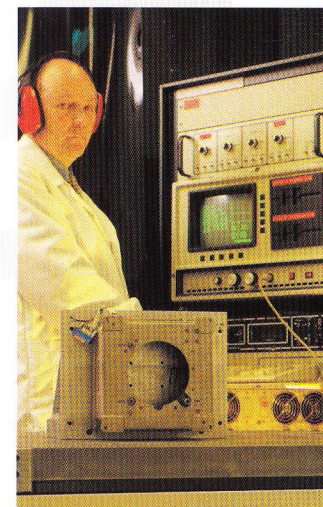
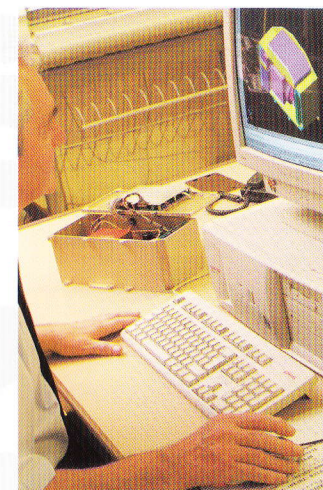
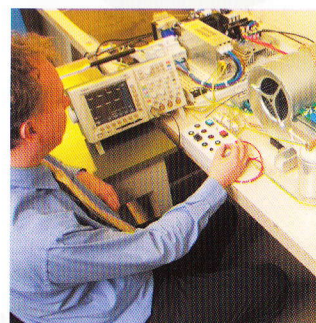
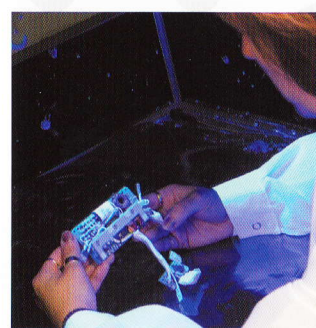
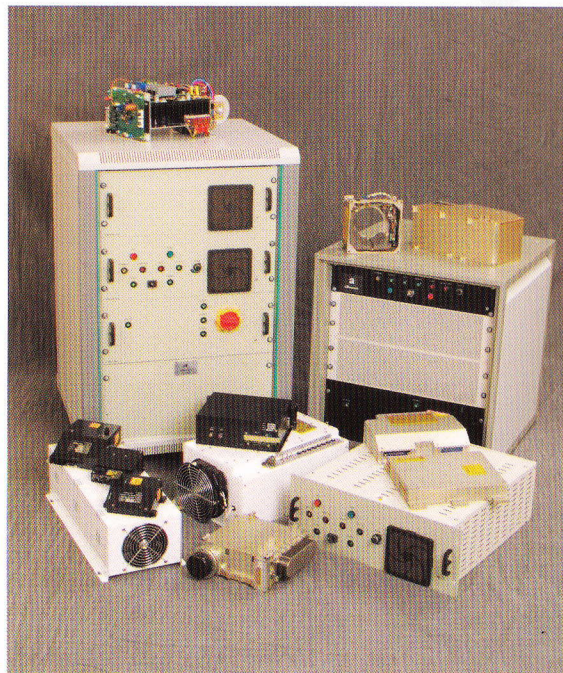
These facilities include :

- the latest CAD and Circuit design software
- machine shop for rapid prototyping of non standard packages
- PCB assembly incorporating pin through hole (PTH) and surface mount techniques

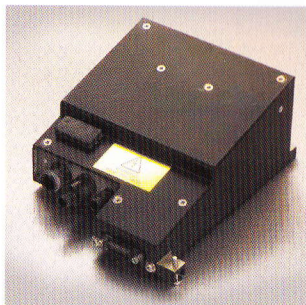
- "Burn in" facilities at reduced and elevated temperatures
- vibration testing
- altitude testing

Our product, based on proven switch mode or resonant designs and utilising MOSFET or IGBT technology as appropriate, find applications in areas as diverse as ozone generation, induction heating, renewable energy, communications, defence and oil production.

We can supply industrial units as standard product in 19 inch racks however custom designs are our speciality and we will be delighted to develop solutions for your particular power supply requirements.



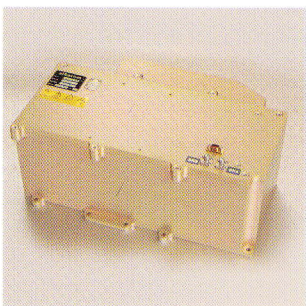




#### **Type HV004**

Application: *Military Avionic Cockpit Display*

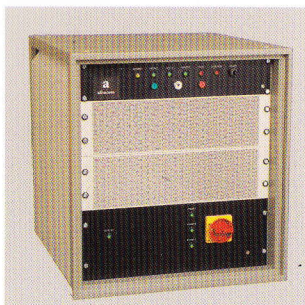
The HV004 has been designed for use with a Monochrome Cathode Ray Tube in Avionic Cockpit Display Applications.



#### **Type APS-8-1000**

Application: *Military Communications*

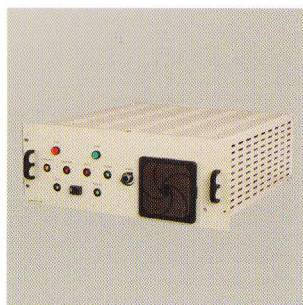
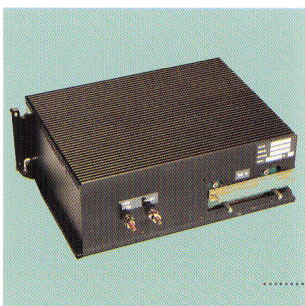
The APS-8-1000 power supply has been designed for use in a military communications system.



#### **Type AHV20-20**

Application: *Industrial and Scientific*

The AHV 20-20 is one of a range of High Voltage AC Power Supplies designed for a variety of industrial applications. In its standard form, the Power Supply provides up to 20kV output from a 380 to 460V, 3 phase, 50/60Hz output.



#### **Type APC10**

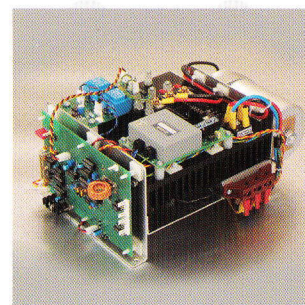
Application: *Industrial and Scientific*

The APC 10 is one of a range of Power Supplies designed for a variety of industrial applications. In its standard form, the Power Supply operates from 380 to 460V, 3 phase, 50/60Hz input and provides 10kW of power at 750V peak to peak into a matching network.

#### **Type LV-070**

Application: *Military Radar Receiver System*

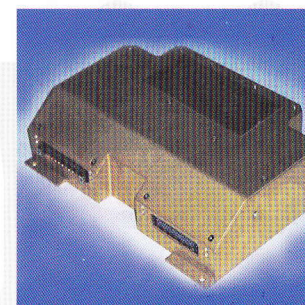
Originally designed for military applications, the LV070 Power Supply is a multiple output Offline low voltage power supply with a total power output of approximately 400 Watts.



#### **Type APC5**

Application: *Ozone and Industrial*

The APC5 is one of a range of Power Supplies designed specifically for ozone applications. It can be configured to operate from 380 to 460V, 3 phase or 220 240V single phase 50/60Hz input and provides 5kW of power at 750V peak to peak into a matching network.



#### **Type LV-010**

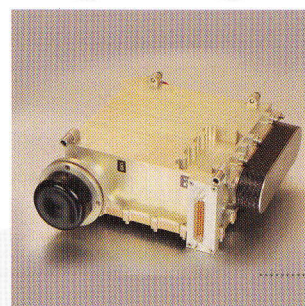
Application: *Sub-sea Oil and Gas*

Originally designed for a sub-sea application in the oil industry, the LV010 Power Supply is a multiple output off line low voltage power supply with a total power throughput of approximately 120 Watts.

#### **Type HV067**

Application: *Military Radar Transmitter*

Originally designed for a low noise Military Radar Transmitter as the grid modulator for a high power Travelling Wave Tube. The grid modulator incorporates a switch mode power supply which generates all internal voltages.



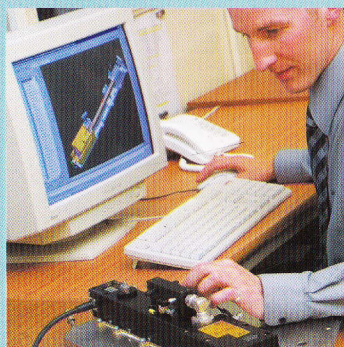


## Albacom limited

Albacom Limited is a high technology company based in Dundee, Scotland. Formed as a Management Buy-Out in 1990, Albacom can trace its origins back to the Dundee division of Ferranti which was established in 1953 to manufacture TR-cells for the defence industry. Since then Ferranti Dundee and Albacom, a successor company, have supplied products into almost every major UK weapons platform over the last 30 years. These include surface and submarine naval vessels, aircraft, missiles and land-based systems. Albacom has therefore accumulated decades of experience in the following technology areas.

- Microwave amplifiers and TWTs
  - Power Electronics
  - Interconnection Systems

More recently, Albacom has diversified into non military markets where high reliability is paramount. Albacom Power Solutions now offers product into areas as diverse as offshore oil and gas, ozone generation, induction heating and renewable energy. In order to meet the demands of a highly discerning customer base Albacom has achieved Quality Assurance accreditation to ISO 9001:2000 (Registration No. FM30980).



The name "Dundee" is thought to have derived from the Celtic Duntaw – the hill on the Tay – or after the Iron Age Fort on top of Dundee Law called Dun Diagh. The city is lively and friendly with plenty to do and is centrally placed only one hour from Aberdeen to the North and Edinburgh to the South. It has direct air connections to London City Airport and has a deepwater port for passenger and cargo vessels. The population is adequately served by many centres of learning. Physics, Mathematics, Chemistry and Electronics are among the degrees offered by the two local Universities and several colleges of Further Education.

To discuss your requirements please contact us at:

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or visit our web site at: [www.albacom.co.uk](http://www.albacom.co.uk)

Albacom limited





Capabilities

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