

PROJECT 61 *Microfast*

Emergency Relief Shelter

Microfast products have been developed from a great deal of experience and knowledge in outdoor camping and recreational activities, which have been incorporated into the products, assisting the activities of its users. The emphasis has been on quick, reliable shelters to cater for specific needs of its niche market, whether it is outdoor camping, leisure activities or just a shelter. Through extensive research, a system has been developed to simplify the assembly of shelters, better facilitating their use. Research has also been conducted into possible materials to best use the shelters in an emergency circumstance. In contrast to the current systems it is lightweight, takes seconds to install and is cheap to manufacture. The Emergency Relief Shelter (ERS) is completely water proof, it has no moving parts, requires no assembly and is made from the latest technology in materials to supply a virtually indestructible shelter.



Caspian Technology Pty Ltd

PROJECT 62

Seamless Power Transfer for Ferroresonant Standby Power Supply for Telecommunication (HFC) and Commercial Applications

For many years, the ability to produce a seamless transfer power supply has been a major challenge to the ferroresonant power supply manufacturers, and because of strict safety demands in having a mechanical isolation relay between the utility power during the power outage and the rest of the network, an output interruption was noted to be inevitable due to the operation of the relay. The CPI with the unique design and characteristics has virtually no detectable transfer time between the two possible energy sources. CPI has some further distinct innovations/inventions associated with it: high efficiency; major cost advantages and it is adaptable for solar energy and commercial applications. The installation of the CPI with appropriate solar panel would be able to generate electricity for sale to the electricity grid.

