



ANECTO
Power Electronics

AN INVERTER PROCESS

**An Overview of
how an Inverter
Product is handled
at Anecto.**



CLEANING



Before

After

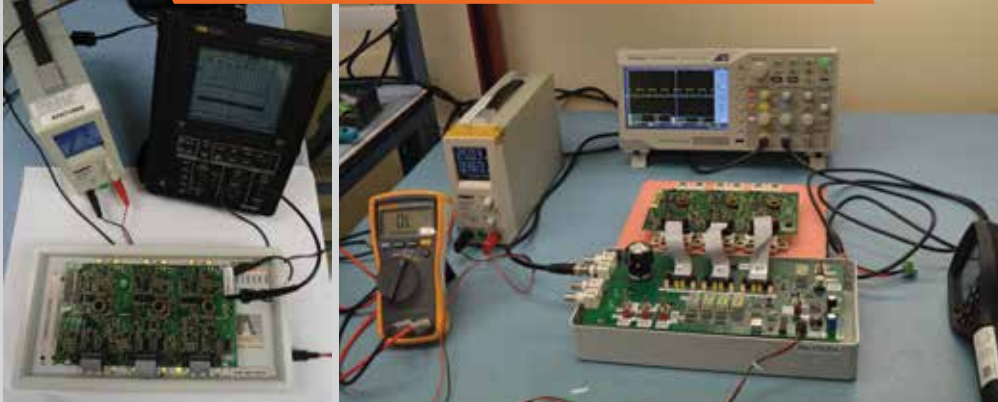
REFURBISHMENT



Before

After

LOW POWER TESTING



HIGH POWER TESTING



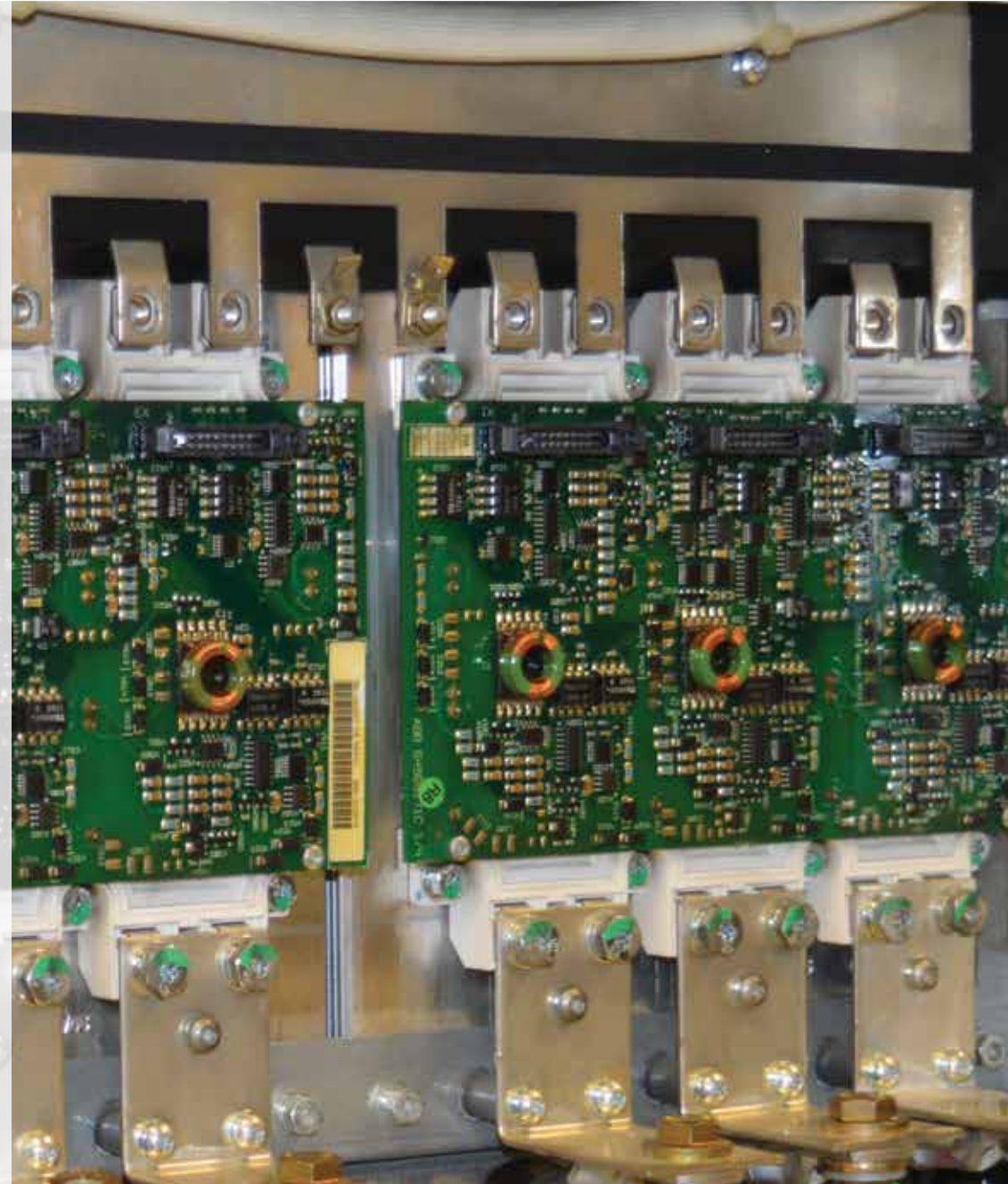
PACKAGING



Anecto offers a comprehensive refurbishment of inverter units, reducing downtime & saving costs.

VALIDATION REPORT SAMPLE

SN: XXXX		
COMPONENT	STATUS	COMMENT
AINT14C Main Circuit Interface Board	NC	Circuit Board Replaced
AFPS-11C Power Supply Board	Pass	
APOW-01C Power Supply Board	NC	Power Supply Replaced
AFIN-01C Fan Inverter Board	Pass	
AHCB-01C Heating Control Board	Pass	
AOFC-02 Output Filter Board	Pass	
PCB Heater Units	NC	HU Replaced
DC Link Capacitors	NC	Capacitors Replaced
NRED Hybrid	Pass	
IGBT Diode Checks	NC	IGBT replaced
ABB Driver board 71C	Pass	
IGBT Snubber Capacitors	Pass	
VHP16 Resistors	Pass	
UXP600 Output Filter Resistors	Pass	
FAN OPERATION		
1. Bearing Check	NC	Fan Replaced
2. Noise	Pass	
3. Cleaning (Filter/ Blades)	Pass	
CABLE INSPECTION		
1. Insulations (Scoring)	NC	Burn Marks /Scoring evident
2. Ribbon Cables	NC	Replaced as standard
3. Connectors	NC	Replacements Required
CHASSIS INSPECTION		
1. Chassis labelling	NC	
2. Debris (Insects) / Dust	NC	
3. Plastics / Insulations	NC	
4. Metal / Housing	NC	Scratches / Dents
FIXTURES/ FITTINGS		
1. Screws / Nuts / Bolts (Seating/Torque)	NC	
LEAKAGE		
1. Capacitor/ Liquid Damage	Pass	
Heating module	Pass	
DC link bus bar	NC	
Insulator	NC	



Repair, Upgrade and Test Methods per Anecto process WIAR019A
 Following Repair and Refurbishment, the inverter unit was successfully subjected to normal high power burn-in as part of a complete power system test per Anecto protocol.



ANECTO AND EMERSON

A strategic partnership that has brought enhanced benefits for the overall customer experience

Since 1994, Anecto Ltd has worked closely with Emerson and companies under the Emerson umbrella. During this time Anecto has developed a number of innovative solutions which have been mutually beneficial and helped cement a very successful partnership with Emerson Network Power. This long standing relationship coupled with Anecto's exemplary service to Emerson was rewarded in 2011 with the 'Consider it Solved' award.

“ It came as no surprise to me that a supplier the calibre of Anecto was awarded our prestigious 'Consider it Solved' award. They have continued to consistently deliver innovative solutions to the problems we present and their expertise in reliability is second to none. They are a key cog in our supply chain and I would highly recommend their services to anyone in the industry. ”

Steve Whitehouse
European PSG Technical Manager
Emerson

More details on this Partnership can be viewed at
www.anecto.com/energy





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POWER ELECTRONICS EXPERTS

