



GD DELTA DRIVES UPGRADE

GD2000, GD3000 and GD4000 Series

TACKLING OBSOLESCENCE

With the advent of latest technologies in electrical drives, the major components of legacy GD2000, GD3000 and GD4000 drives are becoming obsolete. However, there are several components of these older drives that may have many years of remaining life. Power Conversion, GE Vernova’s business is helping our customers upgrade the drives by offering direct replacement with latest power modules and associated controllers that help overcome obsolescence issues and enhance the performance of the drives.

PROVEN UPGRADE PATH

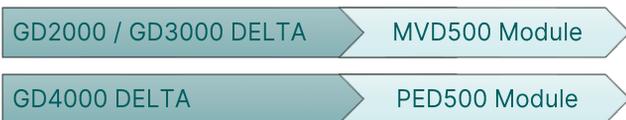
The proposed upgrade to the latest generation power modules and control systems will ensure high reliability, maintainability and easy accessibility to spare parts.

Power Conversion has custom made form fit solutions to ensure a smooth upgrade process and to reduce the downtime as minimal as possible.

FEASIBILITY

Power Conversion can also conduct a feasibility study of your existing equipment before making a recommendation to confirm suitability of the proposed upgrade solution.

DRIVES UPGRADE SOLUTION

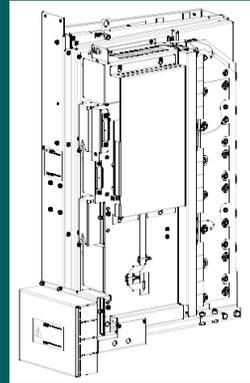


Existing Legacy Drives Proposed Upgrade Solution

The MVD500 AC Inverter power module is used to upgrade the existing GD2000 and GD3000 drives for the control of AC motors.

The PED500 AC Inverter power module is used to upgrade the existing GD4000 drive for the control of

TECHNICAL SPECIFICATION IGBT BASED TRANSISTOR BRIDGE MODULES



MVD500 Module



PED500 Module

- Max. current: 550VAC RMS
- Supply Frequency Range 45–63Hz
- Output Frequency Range 0–200Hz
- Dimension: width 246mm; depth 578.5mm (including
- DC shroud) and height 875mm
- Open type (IP00) module for installation into an
- enclosure (cabinet/cubicle).
- Weight: 71kg (156lbs)
- Operational Voltage for MVD500-4501/ PED500-4501
 - Working AC Voltage: Up to 525VAC
 - Max. nominal internal voltage: 900VDC
- Operational Voltage for MVD500-4701/ PED500-4701
 - Working AC Voltage: Up to 690VAC
 - Max. nominal internal voltage: 1,200VDC

BENEFITS OF LATEST POWER MODULES

- The latest version of DELTA range power modules use the same mounting frames, cooling systems (fan boxes & supply transformers) and control & I/O modules.
- The latest power modules are robust, reliable and offer better performance.

CONTACT US

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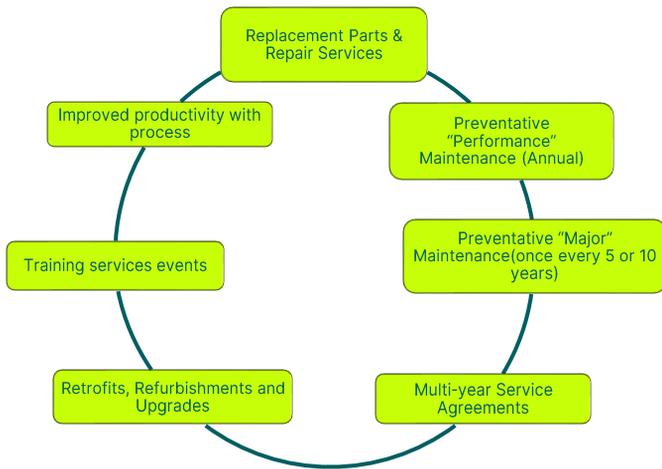


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POWER CONVERSION SERVICES

Power Conversion offer a comprehensive range of services including:



FIELD SERVICES ENGINEERING

All upgrade and maintenance site work is performed by Power Conversion certified field service engineers. As part of the offerings, the engineers will:



Perform and record work according to a prescribed schedule followed by testing to ensure normal drive operation



Identify any safety critical issues – safety critical problems will be brought to the customers’ attention immediately and a resolution proposed. Power Conversion will provide prioritised despatch of parts needed to resolve such issue and if necessary the Field Service Engineer will remain on site or return to site to supervise the solution.



Identify operational critical issues – reduction in performance or critical items affecting reliability will be brought to the customers’ attention and recorded in a report.



Audit and record the customers spares for the drive



Provide a list of critical spares the customer should consider holding



Suggest details of obsolete parts that the customer may wish to plan to replace.



Propose upgrade packages appropriate to the customers equipment and circumstances

For more information of our service: Spare parts & Repairs, please refer to [this document](#).