

IGCT

Phase Module

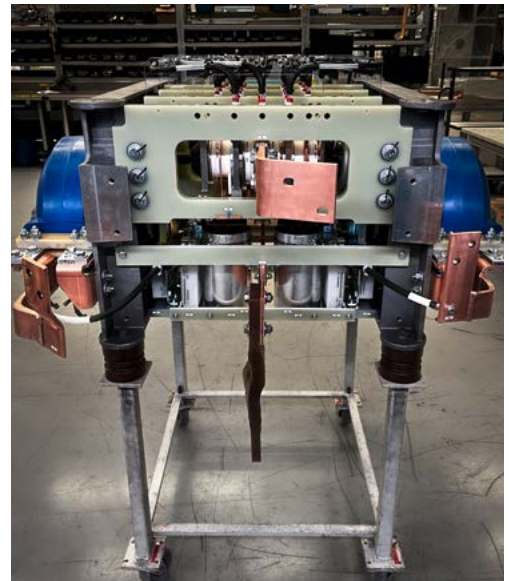
Refurbishment.

INNOMOTICS

Refresh Your System.

IGCT Phase Module Refurbishment

- Aging of equipment and operating conditions affect the performance and life of the phase components.
- Reliable electrical and electronic equipment is crucial for continuous operations of variable frequency drives. That's why it is essential that aging IGCT Phase Modules to undergo regular maintenance throughout the lifetime of the drive and have highly specialized repairs if the module fails.
- Challenging operating conditions such as high ambient temperatures, corrosive chemical contaminants, dust, dirt and moisture increase the risk of failure.

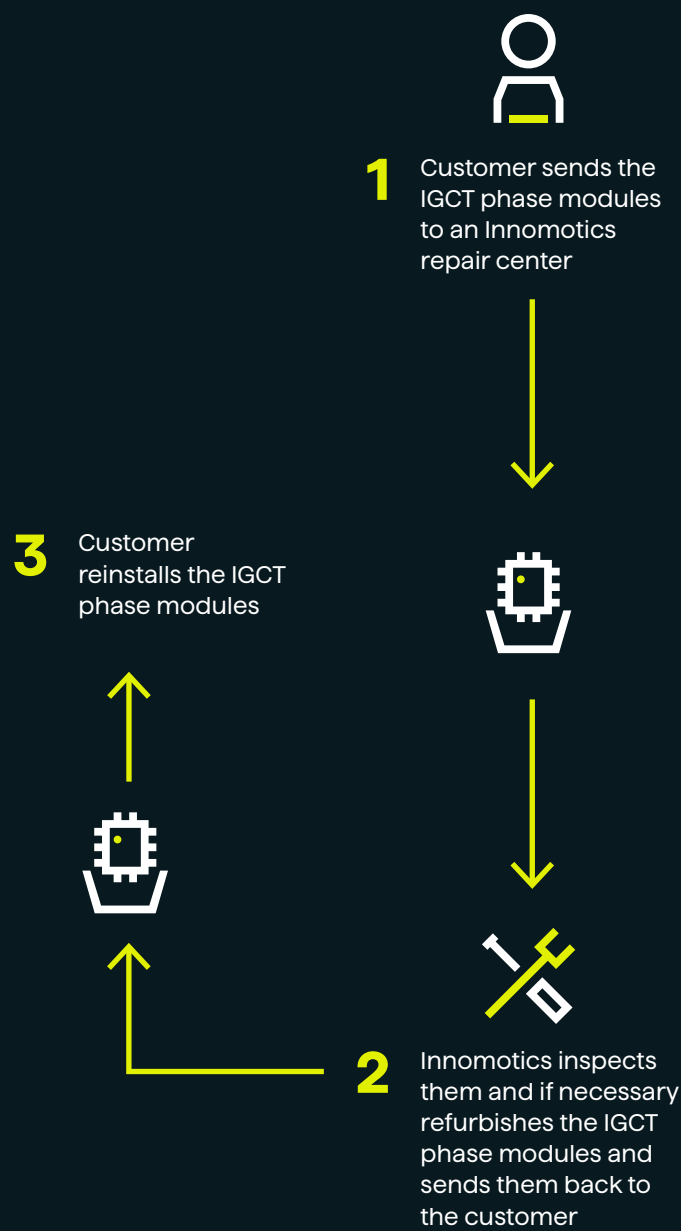


Extending Equipment Life with IGCT Phase Module Refurbishment

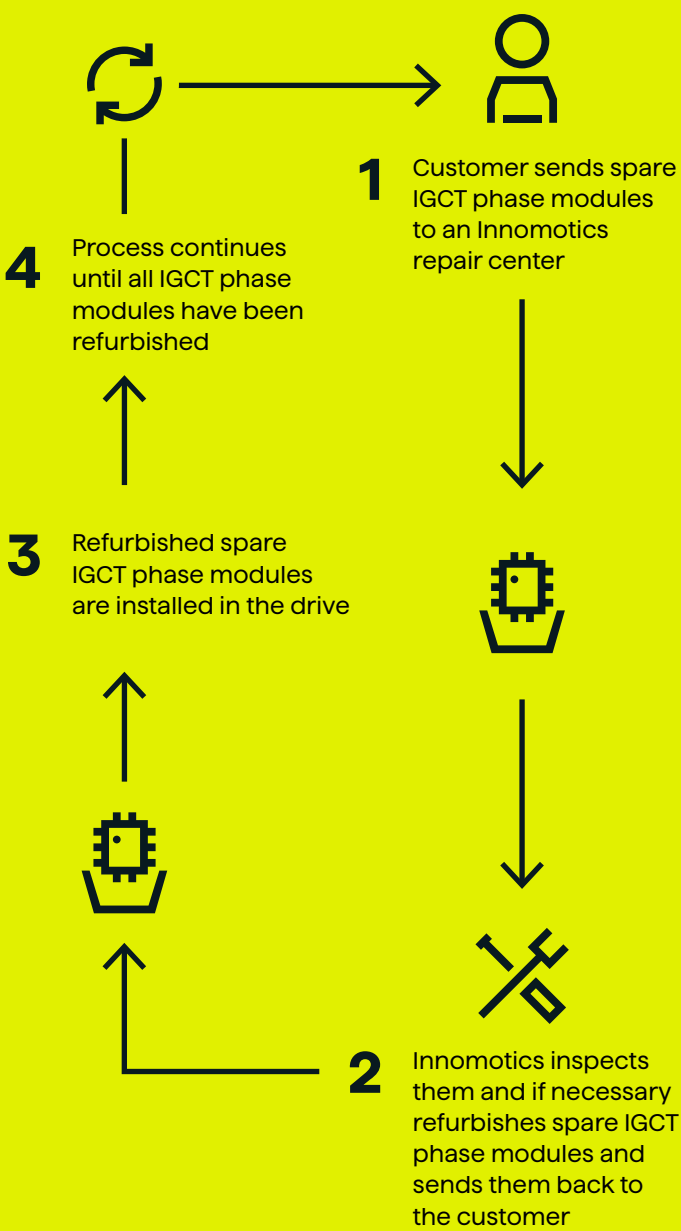
- 1** Maintain spare IGCT Phase Modules stock close to site
- 2** Refurbishment of phase modules to the latest state of the art version
- 3** When a phase module fails within the drive, switch it out with a spare cell
- 4** Send failed phase module to be repaired
- 5** Return repaired/refurbished phase module or rotate it into your drive and send next phase module for refurbishment
- 6** Refurbishment or remanufacture phase modules before they potentially fail

Refurbishment cycle.

Single-cycle refurbishment



Multi-cycle refurbishment



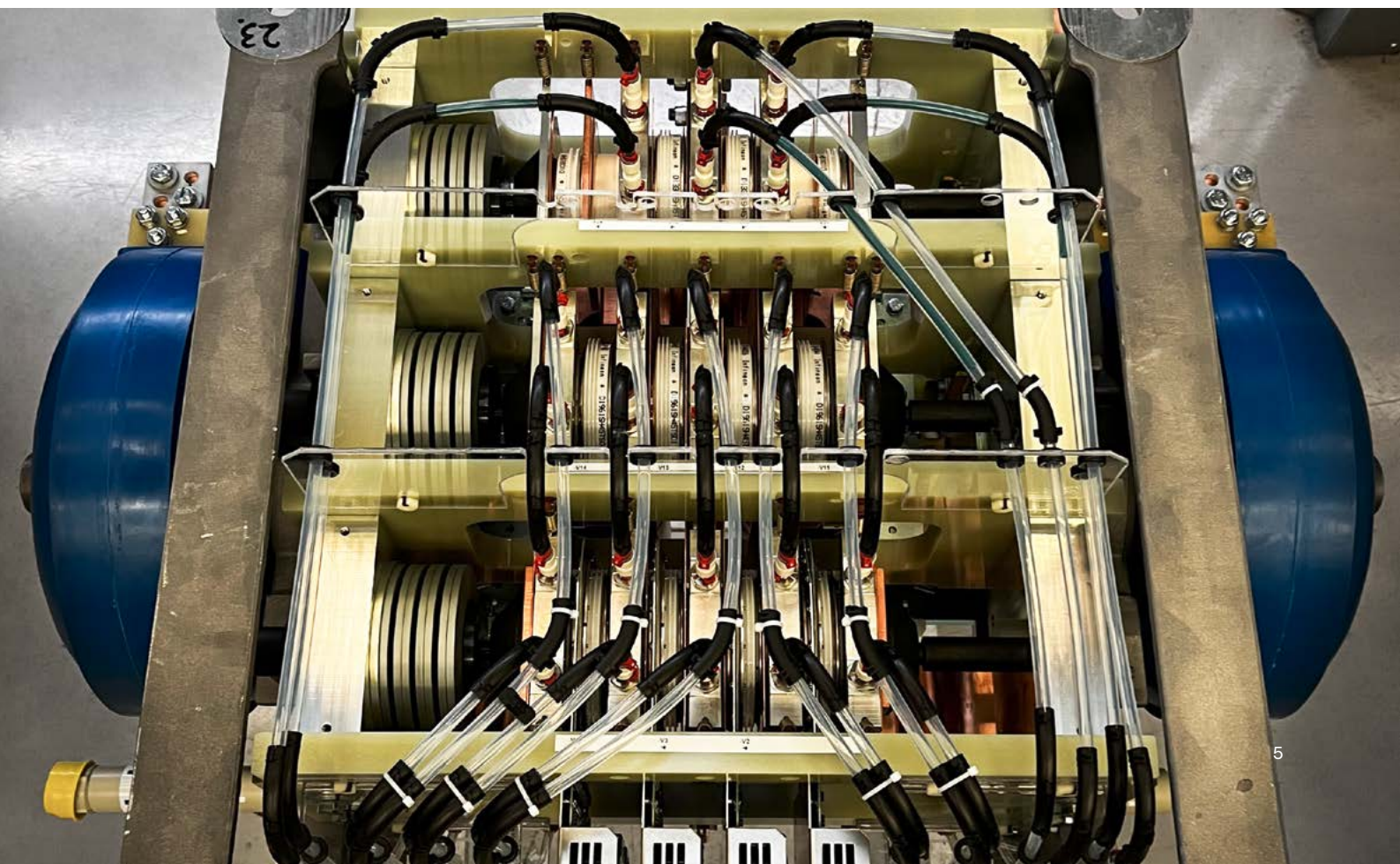
Benefits of IGCT Phase Module Refurbishment.



- Modernization reduces the risk of system failure many times over. The risk of a system downtime with potentially expensive and long-term consequential damage. Downtime is significantly reduced.
- Cost savings for the customer through modernization of existing phase modules, as the costs for modernization are lower than the costs for repairs or new modules.
- Optimization of investments through an extended service life and reliable operation of the system.
- Original equipment quality backed by a guarantee with decades of experience in service.

Individual innovations at a glance.

- Customer receives phase module of the latest generation.
- Replacement of all IGBTs and diodes using the latest product.
- New water circuit with new couplings/seals and 8 mm control electrodes and new water piping checked for leaks.
- Critical parts such as insulating washers, water-cooled resistors and plastic couplings/seals are replaced or brought up to date.
- Phase module is completely cleaned.
- The phase modules are fully tested under rated power and inspected according to ISO 9001 standards before leaving the repair center.



**Let us know
if there is anything
we can support
you with!**



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