



**GTC**<sup>TM</sup>  
KEEP THE CONTROL

YOUR ULTIMATE RESOURCE  
FOR POWER & INDUSTRIAL  
CONTROLS SOLUTIONS

**17+ YEARS  
OF KEEPING  
YOUR LEGACY  
CONTROLS  
RUNNING**



Speedtronic  
Excitation & LCI  
Bently Nevada  
Woodward  
Generator Protection

**"THE MOST IMPORTANT VALUE FOR CUSTOMERS IS THE  
PRODUCT. IT'S QUALITY... WE GO BEYOND WHAT EVERY-  
BODY ELSE DOES WITH 24/7 SUPPORT, GLOBALLY."**

**— ROGER MCLEAN, SALES MANAGER**

# ACCESS THE LARGEST WORLDWIDE INVENTORY OF CIRCUIT BOARDS & COMPONENTS TO KEEP YOUR FACILITY RUNNING.

**Gas Turbine Controls (GTC)**, your premier technology supplier of replacement parts, offers you access to the world's largest inventory of circuit boards and other components, as well as a state-of-the-art testing and repair facility. Our expertise keeps your operations resilient.

## EXPLORE OUR UNMATCHED INVENTORY OF SPARE PARTS

Extend your controls with **genuine, tested and warrantied spares** with **personalized service and expedited delivery** in case of forced outage or emergency.

### GE SPEEDTRONIC

- Mark I-III
- Mark IV
- Mark V
- Mark VI
- Mark VIe
- DGP (Digital Generator Protection)

### GE EXCITATION/ LCI

- EX2000
- EX2100
- EX2100e
- Alterrex™
- Generrex™
- SCT-PPT
- Brushless
- LS2100
- LS2100e

### BENTLY NEVADA 3500

- Chassis
- Vibration and Position Cards
- Relay Modules
- Speed/Over Speed Monitors
- Reciprocating Compressor Monitors
- Communication Gateway

### WOODWARD

- Microprocessor-based 505 & 505E
- VME-based Micronet Plus
- Netcon 5000

**Need something not listed here? Ask us about our parts and services provided for other brands and models.**

## REPORT AND WARRANTY

All our cards are shipped with a report and warranty certificate.

**ASK ABOUT OUR 24-MONTH WARRANTY!**

**“AS OUR EQUIPMENT AGES, FINDING REPLACEMENT PARTS BECOMES MORE DIFFICULT. IT WAS GREAT TO FIND SOMEONE WITH PARTS IN STOCK. OVERALL, I WAS IMPRESSED BY THE EXCELLENT SERVICE AND THE VERY HELPFUL, FRIENDLY STAFF.”**

**— ENGINEER AT TALISMAN**



## WE TEST YOUR CARDS BEFORE DELIVERY

OUR IN-HOUSE TESTING AND REPAIR FACILITY FEATURES ENERGIZED MARK II, MARK IV, MARK V, MARK V LM, MARK VI, MARK VIE, EX2000 AND EX21000 PANELS TO THE FINAL ACCEPTANCE TEST OF EACH CARD BEFORE SHIPMENT.



## GET COST-EFFECTIVE, READY-TO-GO REPLACEMENT PARTS

Our remanufactured, ready-to-go components **save you time and money**, and can provide unrivaled warranty terms under our **WarrantyXXL program**—which offers 4 years' warranty on select parts.

### CHOOSE FROM A VARIETY OF PARTS OPTIONS:



**New/unused** surplus parts that were never used in service



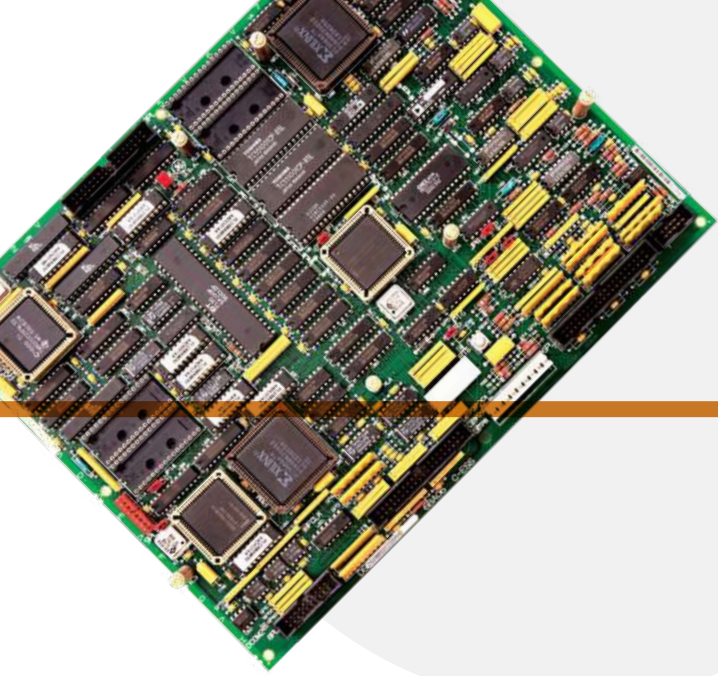
**Remanufactured** parts that were previously in service



**Exchange program** that provides extra savings for the exchange of your pullout parts



**Repairs** carried out in standard cycle times supplied with full repair and warranty documentation



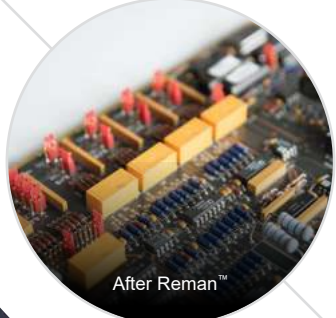
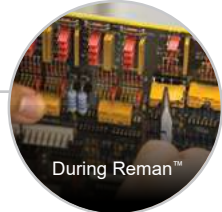
# EXTEND THE LIFE OF YOUR SYSTEMS WITH GTC'S REMAN™ PROCESS

We developed the Reman™ process. This proactive replacement of known-to-fail components improves the life expectancy of your cards beyond the OEM's design.

GTC's Reman™ cards **mitigate the risk of in-service failures**. To prove it, GTC offers for its Reman™ cards a **longer warranty** period than for new/unused cards.

Save Approximately 40% By Buying Remanufactured Parts!

Interested? Ask your Regional Sales Representative about Reman™ cards, available for select Speedtronic models.





# RELIABLE TESTING & REPAIRS

We invest in modern testing and repair facilities to ensure all work is carried out in a clean and controlled environment.

Our technical staff is trained in all aspects of testing and repairs to diagnose your problems quickly and efficiently, getting your systems up and running as smoothly as possible.

## WE HAVE ENERGIZED PANELS TO PERFORM FUNCTIONAL TESTS ON ALL CIRCUIT BOARDS FOR GE SPEEDTRONIC AND EXCITATION SYSTEMS

- Mark II
- Mark IV
- Mark V "A" & "B"
- Mark V LM
- Mark VI
- Mark VIe
- EX2000
- EX2100
- LCI

Originally starting out to repair only Speedtronic circuit boards as part of our support service, GTC has grown into repairing other industrial manufactured controls, including **Woodward and Bently Nevada**. Consult us about other brands and models.

## OUR CUSTOM-BUILT TEST AND REPAIR FACILITY ALLOWS US TO EFFICIENTLY PROVIDE

- Advanced order processing
- Warehouse management
- Superior service
- Technological innovation

All repairs and refurbishments are supplied with full repair and warranty documentation for all work carried out.

## Got Spare Speedtronic Cards Idle on Your Shelf?

GTC can provide a Test and Certification to ensure that the spares you have will function when installed into your controls system.



# 24/7 EMERGENCY SERVICES FOR FULL CUSTOMER SUPPORT

## DEALING WITH A FORCED OUTAGE OR EMERGENCY? CONTACT GTC

Our experts are available **24/7, 365 days a year** to answer urgent questions that will help you start, synchronize, load or troubleshoot your panel without having to wait a day or two for a field engineer.

We offer expedited delivery of parts in case of forced outage or emergency.

## EMERGENCY HOTLINE

**US and Canada: +1 844-GTC-FAST (+1 844-482-3278)**

**International Callers: +1 914-693-0786**

**“GAS TURBINE CONTROLS HELPED US IN AN EMERGENCY SITUATION WHEN OUR PLANT WAS DOWN AND THE CABLE WENT BAD. WE CALLED THEIR AFTER-HOURS EMERGENCY HOTLINE AND GTC WENT ABOVE AND BEYOND TO GET US A NEW EX2100 CABLE.”**

**—ROSANNE B., PSEG**

# TRUST EXPERT ENGINEERS WITH YOUR FIELD SERVICE NEEDS

## OUR SKILLED CONTROLS ENGINEERS ARE AVAILABLE TO ASSIST USERS ONSITE, WORLDWIDE

Whatever your need or whichever problem may be concerning your turbine control or excitation system, we are ready to provide comprehensive solutions for your Frame and LM turbines.

With OEM-alternative software solutions, operator interface retrofits, control system improvement options and more, our team of highly experienced engineers will come out to your site to fully examine your system and provide a comprehensive solution for your Frame and LM turbines.

## Our Comprehensive Services Include:

- Outage Support
- Commissioning
- Consultancy
- Health Checks
- HMI Replacements & Upgrades
- TIL Review & Implementation
- Troubleshooting
- Software Updates
- Preventative Maintenance

## RELY ON A COMPANY CERTIFIED FOR QUALITY

We provide a reliable alternative solution to operators, offering you valid, consistently dependable options to escape the pressures to upgrade. Our goal is for you to “keep the control” for many years, even decades, beyond the end of OEM support.

**The ISO 9001-2008 continued certification embodies our commitment to quality and customer service.**



The ISO 9001-2015 continued certification embodies our commitment to quality and customer service.



**“ROGER AT GAS TURBINE CONTROLS ANSWERED A PHONE CALL 5 MINUTES PRIOR TO THEM CLOSING ON A FRIDAY. HE STAYED LATE TO MAKE SURE WE WERE TAKEN CARE OF AND PERSONALLY DELIVERED THE MARK VI CARD WE NEEDED TO THE UPS STORE ON HIS OWN TIME – THE BEST CUSTOMER SERVICE IN THE BUSINESS!”**

**- CARDIFF B., TRANSWESTERN PIPELINE**

# LEARN FROM A COMPANY WITH 17+ YEARS OF EXPERIENCE

## GET PROFESSIONAL TRAINING FROM GTC'S ENGINEERS

Give your operators and technicians the tools they need to keep your plant running smoothly with our educational courses and seminars.

We offer standardized or customized courses and seminars held periodically throughout the year, either at your plant or at our New York training facility.

## Our comprehensive list of training courses includes

- Mark II Operators and/or Maintenance
- Mark IV Operators and/or Maintenance
- Mark V Operators and/or Maintenance
- Mark VI Operators and/or Maintenance
- Mark VIe Operators and/or Maintenance
- EX2000 / EX2100 / EX2100e / LCI
- On the Job Training is also available for these courses.

## All Courses 10-Days or Less!

Learn all about your Speedtronic control systems as quickly and efficiently as possible.

All courses are carried out by knowledgeable and experienced instructors, **practicing field engineers**, with in-depth electronic training manuals provided for each course.

## ¿Habla español?

No hay problema. Courses in Spanish are available.

**GTC provides simulators as well as fully energized panels to provide hands on training for the entire family of GE Speedtronic & Excitation turbine control systems.**

- Mark II
- Mark IV
- Mark V
- Mark VI
- Mark VIe
- Excitation/LCI

Our training offers maximum effectiveness to students, who are given **real-world lab sessions** using energized panels.

**"THE RELEVANCE OF TRAINING IN RELATION TO MY JOB FUNCTION IS EXCELLENT. THE LIVE PANEL IS A HUGE PLUS AND I WOULD DEFINITELY RECOMMEND THIS COURSE. THE PRESENTATION OF THE TURBINE ASSEMBLY WAS VERY DETAILED AND I WILL BE ABLE TO UTILIZE THE SKILLS LEARNED IN THE WORKPLACE."**

—ASHLEY W., CONOCOPHILLIPS



## KNOW OF ANY CURRENT OR FUTURE SURPLUS CONTROLS SYSTEMS?

We can arrange a referral fee for every successful acquisition.

# PLANNING TO UPGRADE YOUR SYSTEM? ALREADY HAVE?

## OUR RECOVERY ASSET TEAM WANTS TO PURCHASE YOUR CONTROLS

If you're thinking about upgrading your current controls—or already have—our team is ready to provide you with a very competitive appraisal for the displaced equipment.

### HERE'S HOW IT WORKS

**In order to assist the evaluation of your surplus system(s), use the below checklist:**

- List all installed hardware in the panel
- List all spares in stock
- List all damaged/failed hardware in stock
- Take pictures where possible either installed or uninstalled
- Offer a full description of the equipment available
- State when the parts will be available for purchase

We work with plant operators to maximize the value of their surplus Speedtronic controls equipment. Since 2001, we have acquired many panels with our worldwide coverage to continue to support our customers that choose to “keep the control.”

Additionally, we have Speedtronic field service engineers who can also assist with any removal/decommissioning of controls systems.

Wherever possible, GTC acquires capital turbine spares, such as transition pieces, buckets, nozzles and combustion liners for GE Frame turbines.



# SERVICE AGREEMENTS

AS THE OEM ANNOUNCES THE END-OF-LIFE AND TERMINATION OF SUPPORT FOR THEIR “CLASSIC” TURBINE CONTROL AND EXCITATION SYSTEMS, OPERATORS NEED ALTERNATIVE RESOURCES TO MAINTAIN THE AVAILABILITY AND RELIABILITY OF THEIR CONTROLS.

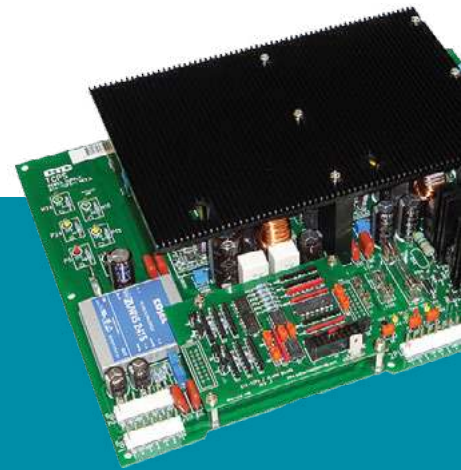
GTC offers different levels of customizable service agreements to cover your fleet of controls. Our service agreements include turbine controls, excitation systems and vibration monitoring systems.



## An Alternative Solution for Old CRT Screens

An alternative solution for old CRT screens, the Mark IV LCD Thin Film Transistor Screen allows turbine users to update their antiquated CRTs and still hold onto their Speedtronic Mark IVs.

**With heightened protection, optimal resolution and the ability to coexist with the Mark IV HMI server, this screen will improve your turbine operations for years to come.**



## The GTC-TCPS-1 Mark V Power Supply Card

Designed with state-of-the-art features and high-quality, industrial-grade components, the GTC-TCPS-1, "New TCPS", is a direct replacement for GE DS200TCPSGIA and is **here to stay**.

**With the GTC-TCPS-1's "plug-and-play" capabilities, your control cards will experience increased performance, reliability and life expectancy!**





## 24-HOUR EMERGENCY SERVICES

Our dedicated team is on call 24 hours a day, 365 days a year for any emergency needs you may have.

Emergency Hotline

US and Canada: +1 844-482-3278

International Callers: +1 914-693-0786



**GTC**<sup>™</sup>  
KEEP THE CONTROL

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