

# UPGRADE YOUR OLD EXCITATION SYSTEMS

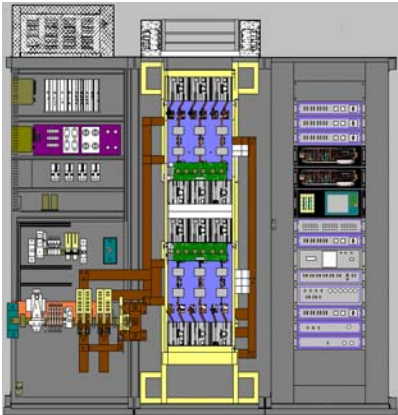


**CHANGE THE OLD CONTROLS OF YOUR STATIC EXCITATION SYSTEMS AND TURN THEM INTO A MODERN COMMUNICATING REGULATION IED!!**

## HAVING TYPICAL PROBLEMS WITH YOUR EXCITATION SYSTEMS??

- No spare parts for your controls?
- Original spares stock ending?
- No support from original manufacturer / vendor?
- You AVR's working only in manual mode?
- Your AVR's not controlling your generators within their capability curves?
- Using non-reliable or second hand spares, risking generator damage?
- Improvised specialists offering you their services?
- Getting offers for replacing your AVR's with new equipment with illimited warranty?

**WE HAVE THE TOOLS !!  
USE OUR EXPERIENCE AND SOLUTIONS**



- Don't dispose of your legacy AVR's
- Capitalize your power sections
- Capitalize your rectifying bridges
- Capitalize wiring and original configuration
- Lower investment amounts
- Minimize operations costs
- Add value to your assets
- Make your AVR's able to Communicate
- Make important info available on the network
- Turn your AVR's into communicating IED's
- Add value to your substation control system
- For any kind and brand of Voltage Regulators

## DRIVE MASTER PLUS: ELECTRONIC COMMUNICATING IED

### BENEFITS

- Give your AVR's their original reliability back
- Use the new DRIVE MASTER PLUS communication capabilities to connect your AVR's to your distributed control system
- Monitor your AVR's operative parameters remotely at your operation consoles
- Monitor transients and adjust your AVR remotely from your engineering consoles
- Quicly detect AVR's operating in manual
- Monitor your generator's stability and perform range and stability adjustments on line !!

### MORE THAN 17 YEARS MANUFACTURING VOLTAGE REGULATORS AT YOUR SERVICE, AS WELL AS:

- More than ten **218** MVA and bigger machines controlled by our AVR's
- A dozen AVR's installed in Central and South America
- More than **5000 MW** under our RAV 1101/RAV 1111 systems in Mexico
- More than half a dozen **UPGRADED UNITS** ranging from 150 MW, 300 MW and 350 MW, that changed their controls for SEPAC for over the last 12 years.
- A whole generation of control and regulation specialists in Mexico and abroad, including our teachers, having been trained in SEPAC

