

# Woodward Steam Turbine Retrofit Products

## Turbine Actuation



Mechanical  
Governors &  
Actuators



CPC-II Current  
to Pressure  
Converter



TM25 Hydro  
Mechanical  
Actuator



VariStroke-I  
Actuator  
(Integrated)



VariStroke-II  
Actuator  
(Integrated)



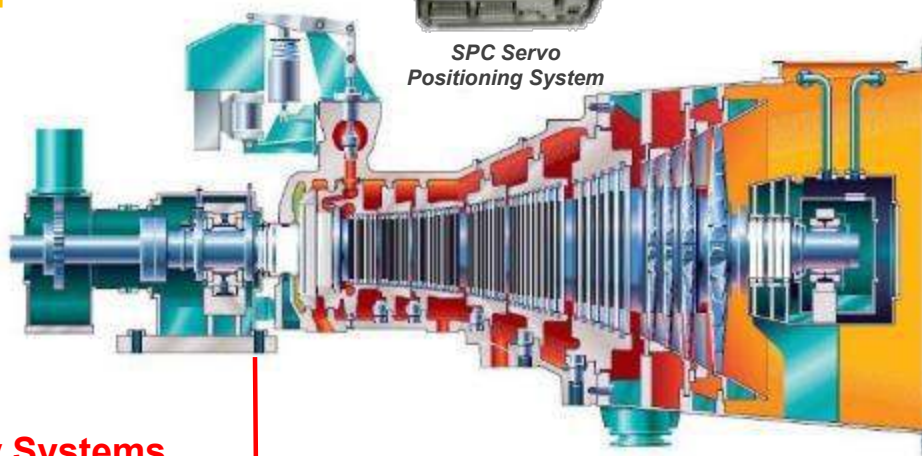
VariStroke  
Actuator  
(Remote Servo)



VariStroke  
Servo



SPC Servo  
Positioning System



## Custom Mechanical & Electrical Interfaces

- Actuator Governor & Shutdown Valve Mounting Brackets & Linkage
- Speed Sensor Balanced Gears and Mounting Brackets
- NEMA 4X Purged Enclosures & Cabinets
- Human Machine Interfaces (HMI)
- OEM Main Valve Rack Cylinder Remanufacturing
- Valve Rack Position Sensing
- Governor Valve Gain Mods

## Customized Turbine Controls



MicroNet TMR  
Fault Tolerant  
Control



GAP  
Graphical  
Application  
Programmer



MicroNet-Plus  
Dual Redundant  
Control

## Standard Configurable Controls



505/505E Single  
Extraction  
Turbine Control



Peak200  
Mechanical Drive  
Speed Control



505CC-2  
Integrated Turbine  
& Compressor  
Control



5009FT Fault  
Tolerant Control

## Vibration Sensing Speed Sensing

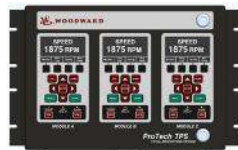


Accelerometer,  
Proximity Probes



Single & Dual  
Pole Magnetic  
Pickups MPUs

## Safety Systems



ProTechTPS  
Total Protection  
System



ProTech-SX  
Protection  
System



QuickTrip Trip  
Block Assembly