Many gas turbines are continuing in service beyond their original design life. These older units suffer from lack of reliability, maintenance difficulties, obsolescence and service problems - all of which present operational challenges and lead to downtime and lost revenues.

HKJ Group provides Control System Retrofits and Instrumentation/System Upgrades for Gas Turbines, both in generator and mechanical drive applications. For a wide variety of gas turbines, HKJ Group upgrades are engineered to upgrade and retrofit the turbine-specific problems common on older units.

### Gas Turbine Control Systems
- Siemens S7 300 PLC
- Allan Bradley Control Logix 5000

### Fuel Systems
- Fuel Valves
- Fuel Conversions
- Fuel System Upgrades

### NOx Reduction and Power Augmentation
- NoxDown Water Injection System
- Steam Injection Systems

### Complete electrical and Mechanical Refurbishments

### Instrumentation Upgrades
- Vibration Systems
- Ignition
- Flame Detection Systems
- Instrumentation

### Turnkey Projects
- Installation and Rewiring
- Commissioning
- Training
- Warranty and Service

### Generator Controls