



**SEE THINGS  
DIFFERENTLY**

# Innovations

## Power Generation



### The Challenge:

A power generation company recently needed to upgrade a number of existing power plants in Korea and South America. Most of these plants were built in the 1990's and used natural gas as their only fuel source. The Korean Government now requires all gas turbines to be dual-fuel-capable for single fuel supply shortages (many areas vulnerable to hurricanes also have this requirement).

These upgrades required many new connections (up to 96 new fuel and water lines) and needed to be economical.

### The Solution:

**CB check valve filter tee assemblies were specified to simplify and significantly reduce the overall number of connections.**

The upgrades allowed them to smoothly switch fuels without shutting down or causing expensive power interruptions. These modifications utilize the new CB check valve and combustion nozzles. The tee assemblies significantly reduce the number of connections around the engines, simplify the installation and speed up the process, saving time and money. This technology provides the outstanding sealing function required in the difficult high temp turbine environment, and integral filters protect both check valve seats and small fuel nozzles passages from harmful debris.

**Connect with the experts at RG Group to discuss your latest challenge!**

