

# ICB® JET CASE STUDY



## BACKGROUND

**Application:** Power Generation

**Location:** AB, Canada

**Site:** 290 MW Gas-Fired Combined Cycle Plant with numerous GE LM6000 Aero-derivative Gas Turbines

## PROBLEM

Regular oil analysis revealed that one of the Plant's jet lube featured critical acid levels that were above the application's maximum in-service limit. Since acids are established varnish precursors, the system's MPC varnish potential was also extremely high. Continued operation with degraded jet lube placed this system at heightened risk of failure.

## SOLUTION

An SVR® Lubricant Conditioning skid employing ICB® JET filters was installed.

## RESULTS

The installed ICB JET filters effectively removed acids and the varnish that they produced from the site's jet lube, improving its acid number and MPC varnish potential by 78% and 90%, respectively. Since the filters were installed, the system has not experienced any problems relating to oil breakdown.



# POWER GENERATION

