

Efficiency & emissions at partial load

iCenter™

Americas pipeline facility was experiencing high emissions and efficiency issues.

~1.2
metric tons
of CO₂ emissions

~450
metric tons
of fuel consumption

could be reduced in one year
through our digital solutions

Case overview



Pipeline

Technologies:

- Aeroderivative gas turbine

Maintenance contract

- Multi Maintenance Program (MMP)



Issues/impacts

Issues

- Gas Turbine operating profile not matching best efficiency
- Emission management

Impacts

- Reduce fuel consumption
- Comply with emission limits



Solutions

Drivers

- Emission control and optimization

Offering:

- Efficiency Optimizer
- CarbonOptimizer
- DLE Automapping



Value

Customer investment per unit

- ~\$406K installation
- ~\$50K annual fee

Customer benefit:

- ~1,217 metric tons of CO₂ emissions per year
- ~476 metric tons reduced fuel consumption per year