

7FA PERFORMANCE OPTIMIZATION PROGRAM - GTopt

How Can GTopt Help You?

- GTopt : HeatRate
Optimizes Generation and Heat Rate for the Best Economic Operation
- GTopt : AirFlow
Increases Output and Turbine Cooling To the Gas Path Hardware
- GTopt : PeakLoad
Maximizes Generation for Maximum Capability Needs
- GTopt : OverNight
Optimizes Load Turndown to Allow Unit to Remain Online During Low Demand Times
- GTopt : ATune
Automatically Corrects High Combustion Dynamic Anomalies and Maintains Emissions Within Compliance

GTopt Can Improve Control Settings Left During Commissioning such as:

- Partially Closed IGV's
- Underfired Control Curves
- Unmatched Part Load Control Curves
- Underrated Unit Operation
- 60 % Turndown Limits
- Cold Day High Dynamics

Typical Results

Generation
Heat Rate

Peaking Plant

+8 M We
-60 Btu/Kw - Hr

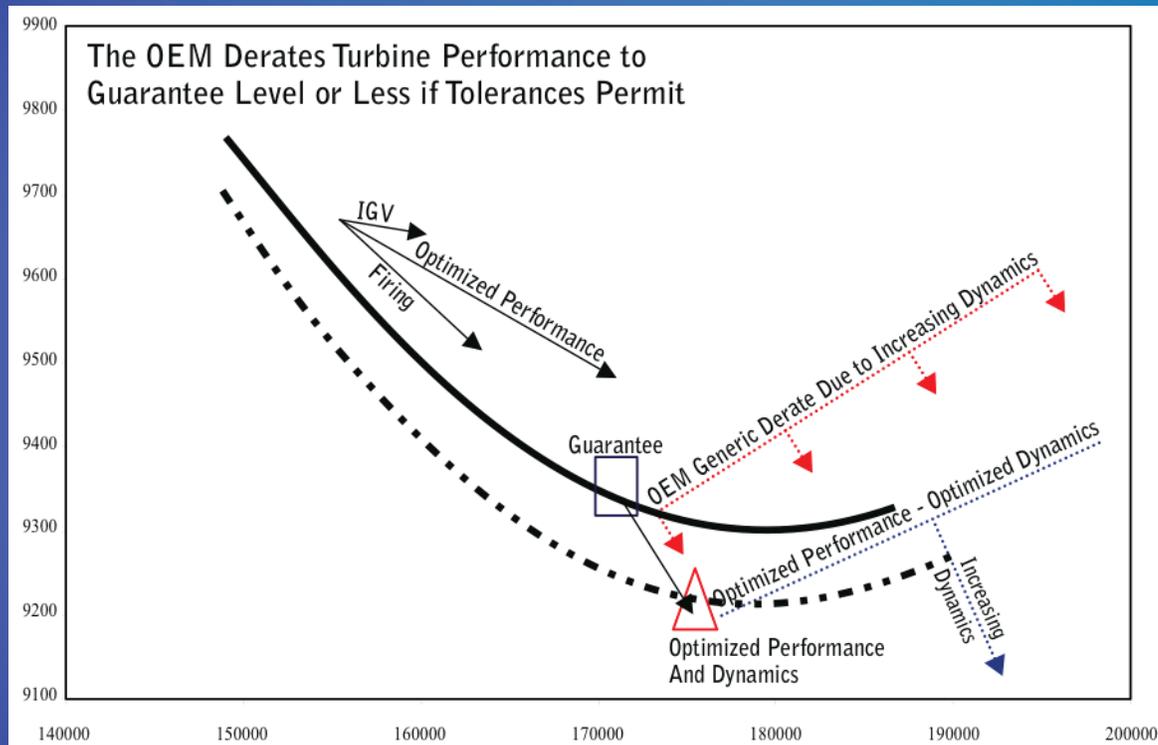
Combined Cycle

25 MWe
-40 Btu/Kw - Hr

RESULTS MAY VARY DEPENDING ON "AS FOUND" CONTROL SETTINGS

7FA Performance Optimization Program - GTopt

Net Plant Heat Rate (Btu/k We - Hr)



Net Plant Revenue Power (kWe)

