MyFleet™ Plant Optimization Services

March 2014
What if you could...

- Look **deep inside** plant performance?
- Understand **how competitive** you are?
- Learn what’s **holding you back**?
- Identify **improvements** with the most value?
- Capture your **plant’s entitlement**?
- Be the first in line for **priority dispatch**?

You can.

**MyFleet™ Plant Performance Monitor**
*Visibility like you’ve never seen – enhancing your profitability.*
Visibility

Operational Excellence
- Fleet benchmarks
- GT & CC Performance
- Operational Reports

Insights

RAM Toolkit & Knowledge Center
- Alarms & Diagnostics
- Reliability Metrics
- Product/Industry Information

Actions

Plant Advisors
- Optimization Tools
- Value Calculators
- Asset Health

MyFleet ... your Portal into asset, operations and business management decision support tools

http://www.ge-myfleet.com
Information @ your fingertips

Easy view into fleet leaders & laggards

Trend key performance indicators (KPI)

... without a ‘fleet’ of Engineers on staff
Reliability Tools

Identify areas that are impacting your overall plant reliability

Highlight variance in operations and reliability
Enhance your plant flexibility

Better scenario analysis leads to more flexible plants ... and plant optimization

It is recommended that the unit in question be washed in 331.79 days, which should correspond to 4123.4 hours of operation and 5555.0 hours since the last offline water wash.
CC Plant Performance

Ambient Conditions:
- T: 0.0 F
- P: 28.62 psia
- RH: 27.46%

Abbreviations:
- F: Flow
- T: Temperature
- P: Pressure
- RH: Relative Humidity

Color Keys:
- Black: Measured
- Red: Heat Balance
- Blue: Corrected

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Plant Gross Power
- 94.81 MW
- 94.81 MW

GT Gross Power
- S/N 100001
- S/N 100002

Stack Gas
- T Train Off F

Steam Turbine 3
- GT Gross Power Train Off MW

Condenser 3
- Operating Pressure P Train Off psia

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Plant Gross LHV Heat Rate
- 11178.96 Btu/kWh
- 6012.67 Btu/kWh

Plant Gross HHV Heat Rate
- 12381.29 Btu/kWh
- 5552.04 Btu/kWh

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A DAY IN THE LIFE OF A MyFleet™ User...

Asset Manager

Customer Need: Insight into plants and market for better decision-making

Ralph: Asset Manager

"I’ve been experiencing high imbalance charges bidding into PJM..."

Starting Reliability & Operator Variance are part of my problem.

How do my units compare to GE's fleet experience? How much can I improve?"

Startup Reliability, Start Time Stats & Startup Advisor:
View startup statistics and identify your best startup to improve reliability

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Fleet Starts

Your Site's Starts

You Could be Here

Reduce Start Variation & Start Time
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Plant Manager

Customer Need: Visibility into operational profile to categorize impacts of cycling on my thermal system (HRSG, ST, Condenser, Critical Valves, Cooling Tower)

Rob: Plant Manager

“I know that my maintenance costs will be increasing because I’m cycling. How much am I cycling? How do I get insight into impacts on maintenance costs and equipment life?”

Load Profile Analysis:
• Analysis @ different loads
• Heat Map for easy visual
  ➢ 40-60% backend impact to:
    ➢ HRSG - economizer (cooling tower subcooling through condenser)
    ➢ steam turbine - bypass issues
  ➢ 80-100% impact to:
    ➢ HRSG - evap section (bare tube bundles & control valve trim)
Operations Manager

Customer Need: Visibility into operational data and how to take action

Bob: Plant Operations

“I get too many alarms, how do I know which ones to take action on? Can GE help me to start better or come back online faster after an unplanned outage?”

See variation from crew-to-crew
View GE recommendations
System Overview

Consistent & Timely OSM Data is Needed

Already connected? MyFleet Analytics Engine & Portal only needs to be configured