

TPS iCenter

Digital Advanced Services

Baker Hughes iCenter support

Three iCenters provide
24/7 monitoring and engineering
support for the global fleet

~1,500 assets under
monitoring

2.1M parameters
acquired

240K active
analytics

~8,200 insights sent
in 2019 < 4 hrs

~630 trains



iCenters 360° engineering synchronized support



iCenter analytics
Emergency calls
Technical cases
Data



Site operators
Site managers

- Insights
- Reports



Baker Hughes global engineering teams

- Technical cases
- Investigations



Customer HQ & engineering teams

- Benchmark with fleet
- Performance and KPI analysis



**Convert your assets
into IIoT machines**



**Turn smart data into
solutions through
people**



**Open to collaborate
through different
platforms and
service models**



iCenter digital portfolio

Early warning

- Data-driven, physics-based analytics
- Early warning and mitigation actions
- 24/7 iCenter experts' support

Managed service

- Fast support and expert analysis
- Performance assessment
- Advanced troubleshooting
- Monthly report and review

Advanced services

- Gas turbine health index
- DLE health status
- Spinning reserve
- Filter change advisory
- Ceko oper. Point
- Operating profile
- Water wash optimization
- Thrust bearing load
- Trip reduction program
- Combustion rem. tuning

Flexible operation for units covered by LTSA

- Condition based maintenance
- Remaining useful life evaluation
- Optimized maintenance intervals and SoW
- Production optimization

Connect

- Digital Infrastructure for 24/7 continuous data streaming
- Data processing and analysis layer for data quality and cleansing
- Data storage and visualization

iCenters solutions

Advanced data collection

- Continuous data acquisition
- Data quality check
- Experts ready to support, leveraging available data, in case of technical issue/request from sites

Early warning & event detection/analysis

- Application of physics-based and data-driven analytics
- Machine status and events detection
- Early warning insights:
 - Unscheduled event mitigation
 - Trip avoidance
 - Operation enhancement
 - Secondary damage prevention
- Trip analysis

Advanced services & digital APP

- Performance assessment
- Optimization of operation and maintenance
- Trip-reduction program
- Digital APP to share advanced services outcomes through web
- Dynamic maintenance online

Physics-based, data-driven methodologies to enhance iCenters diagnostic capabilities

iCenters advanced services

Protect

Increase reliability reducing unplanned outage

- Health index
- Thrust-bearing load
- Pilot
- Remote tuning
- Trip-reduction program

Produce

Optimize operation increasing production and efficiency

- Spinning reserve
- Water-wash optimization
- CeCo operating point
- Filter change advisory
- Power peak
- Carbon optimizer

Plan

Improve effectiveness and flexibility of planned maintenance

- Operating profile
- DLE health status
- Dynamic LI
- CeCo flexible maintenance
- Maintenance optimizer

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