TPS iCenter
Digital Advanced Services
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

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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
- Ceco oper. Point
- Operating profile
- Water wash optimization
- Thrust bearing load
- Trip reduction program
- Combustion rem. tuning

**Flexible operation**
- 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

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**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 L1
- CeCo flexible maintenance
- Maintenance optimizer