



Parts Life Cycle Management

There are a myriad of challenges facing operators when it comes to life cycle management. Keeping track what parts are in operation, in stock and their useful life or condition are among the most challenging.

The bulk of the maintenance costs are in the scheduled maintenance, however, estimating what those costs will be has considerable risk without a database of the previous service and operating history that includes failed starts, emergency stops, misfires or flashbacks, exhaust spread variations, etc. – all of which need to be evaluated with Equivalent Operating Hours (EOH) or Factored Fired Hours (FFH).

TTS Lodestar™

Software that guides turbine operators on everything involved in parts life cycle management. Lodestar is the premium parts life cycle management software in the market; there is nothing else quite like it.



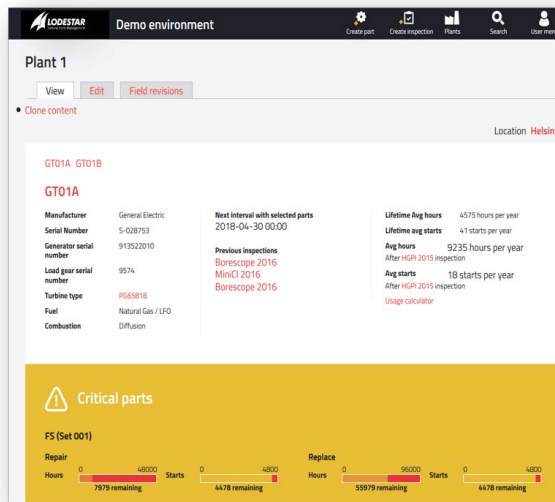
Lodestar is a technical solution that can gather and organize large amounts of plant operational and unit component life data and present it in useful ways to owners. By weaving systems, data and people together, TTS can create solutions that increase performance across many levels.

Lodestar Tracks

- Full maintenance history
- Calculates remaining component useful life using online operational data and values
- Inspection data
- TILs
- Component life standards and experience
- Operational data/hours

Lodestar Reporting

- Simulator based future planning ("what if" scenarios)
- Graphical representation of maintenance timelines and identification of components driving outage schedules
- Cost and value reports + budget planning



Dashboard with intuitive interface highlighting lifecycle of critical parts.

Benefits

- Projected 16% cost savings from digital systems and processes.
- Accommodates a more fluid workforce... Lodestar is licensed by the unit and not by the "seat". Train the entire maintenance team at no additional cost.
- Provides consistent data visibility to all stakeholders.
- Improves levels of innovation and transparency.
- Allows engagement in an ecosystem with technology partners.
- Provides a clearer picture of parts life... minimizing unplanned downtime.

Features

- Full maintenance history
- Parts tracking with remaining lifetime using online operational values
- Simulator based future planning
- Graphical representation of maintenance timeline
- Cost and value reports + budget planning
- Easy data entry by the Client

Supporting Services

- Annual planning of future inspections and parts with Lodestar/TTS
- Development of specifications for field services and repairs
- Vendor prequalification and selection
- Quality assurance of field services, repairs and new parts
- Review final reports, update Lodestar and future plans