

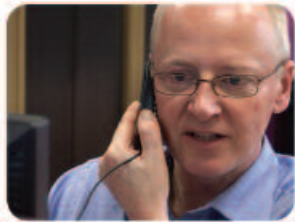
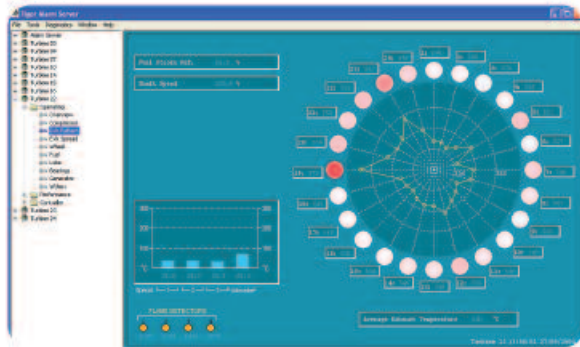
TIGER[®]

Condition Monitoring



TIGER[®] continuously evaluates the state of gas and steam turbines by automating the knowledge of the best turbine engineers. By diagnosing the state of the turbine every second, a complete picture is built-up of the condition of the turbine. TIGER[®] performs several thousand fault detection steps every second.

Higher-level diagnostic rules are then used to interpret these faults into a simple-to-read diagnostic summary. A quick check of this gives an overview of what has happened with the turbine in the last shift, day, or week.



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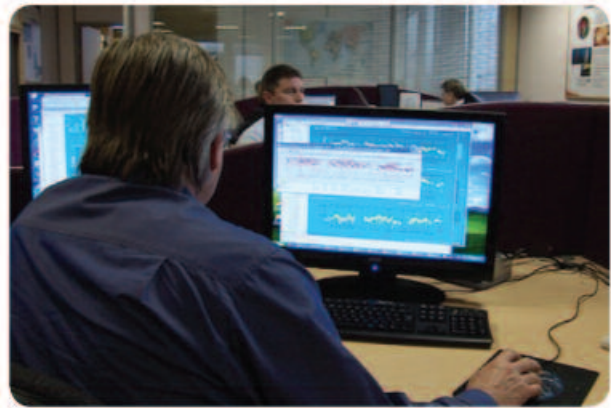
System Features

- Sophisticated diagnostics
- Patented temporal pattern matching of faults
- Performance models
- Factored hours and starts calculations
- Vibration diagnostics and display
- Comprehensive graphing
- Replaying of data
- Remote access
- Automated reports
- Email and SMS notifications

	07/24	07/25	07/26	07/27	07/28	07/29	07/30	07/31	08/01	08/02	08/03	08/04
Starts	18	20	22	24	26	28	30	32	34	36	38	40
Hours	180	180	180	180	180	180	180	180	180	180	180	180
Starts/Hours	0.11	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.22
Starts/Starts	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Starts/Hours	0.0011	0.0011	0.0012	0.0013	0.0014	0.0015	0.0016	0.0017	0.0018	0.0019	0.0020	0.0022
Starts/Starts	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
Starts/Hours	0.000011	0.000011	0.000012	0.000013	0.000014	0.000015	0.000016	0.000017	0.000018	0.000019	0.000020	0.000022
Starts/Starts	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061	0.000061

User Benefits

- Detect the first symptoms of a developing problem
- Troubleshoot and bring the turbine back quickly
- Enable condition-based maintenance
- Identify operational and warranty issues
- Assess insurance risk
- Assist in commissioning
- 24 hour remote monitoring
- Reduce travel—diagnose problems from your laptop
- Pool expertise—your engineers contribute remotely
- Reduce costs—increase availability



TURBINE SERVICES is a global provider to owners and operators of industrial gas turbines, offering an employee skill-base in excess of 2,000 man-years of experience in gas turbine maintenance solutions. With our heritage in John Brown Engineering, our primary specialization is in the heavy duty frame range of GE designed gas turbines.

Our business is founded on the strength of our technical and engineering capability, reinforced by our commitment to quality and customer satisfaction that is demonstrated by our accreditations (ISO 9001:2000) and registrations (Achilles, Supply Line, FPAL and Repro).

In addition to our extensive experience, our customers also benefit from the high-tech capabilities of our parent company, Chromalloy. Leading the industry in advanced technology derived from 60 years of aero and industrial gas turbine component experience, we offer state-of-the-art component, repair, coating and manufacturing technologies.

Turbine Services is a division of Chromalloy Gas Turbine Corporation with interests in the global Aero & Industrial Gas Turbine market sector.

Services include:

- Plant operation & maintenance
- Field & engineering support
- Component refurbishment
- Replacement spare parts
- Turbine control systems
- Plant operator training
- Rotor Overhaul
- Condition Monitoring
- Long Term Service Agreements
- Turbine Refurbishment



Gas Turbine | Maintenance | Repairs | Spares | Parts

Turbine Services

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