

## 24/7 Easy Access to Critical Asset Data

### THE SERVERON MONITORING SERVICE OFFERS:

- AVOIDANCE OF ASSET FAILURE WITH 24/7 MONITORING AND ANALYSIS
- QUICK ASSESSMENT OF ASSET STATUS FROM CHARTS AND GRAPHS
- AUTOMATIC ANALYSIS OF TRENDS IN ARCHIVED DATA TO SUPPORT MAINTENANCE PROGRAMS
- SECURE DATA ACCESS ONLY TO YOUR AUTHORIZED PERSONNEL
- PERSONAL ALARM NOTIFICATION TO KEY PERSONNEL WHEN PRESET ALARM EVENTS OCCUR



Monitoring the operating conditions of electric utility assets is a critical step in assuring reliable power. Continuous monitoring detects early warning signs of incipient failures, and also builds your knowledge base for confident decision making to reduce future risk.

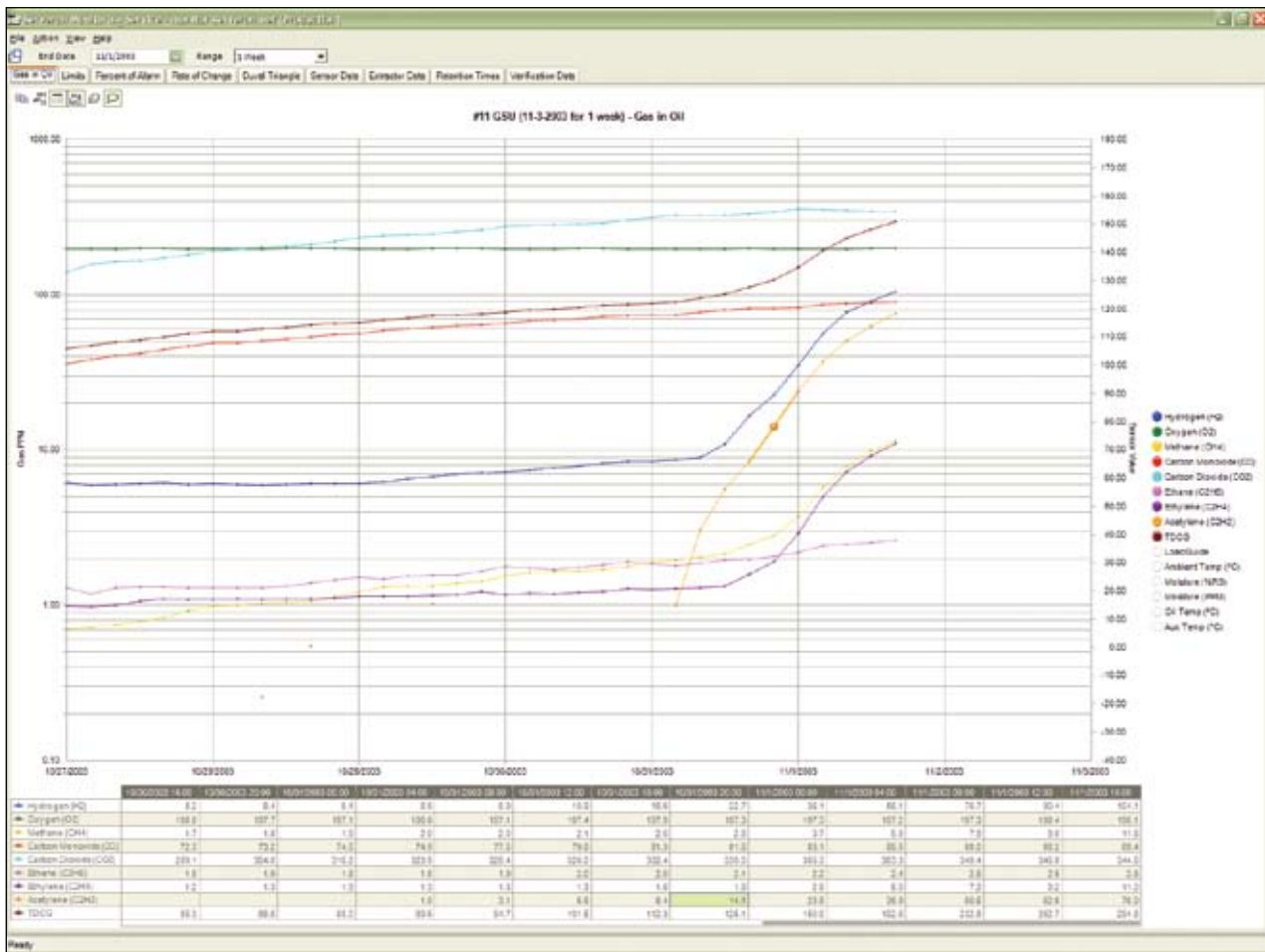
The Serveron Monitoring Service offers the convenience of secure 24/7 access to all of your Serveron monitor data from any Internet-connected Windows PC running our Serveron Monitoring Service software. This enables your authorized personnel to download your data from our secure servers for trending, diagnostics and management of your data. Worldwide access is also available via your web browser so you'll be able to stay on top of any problem, no matter where you are.

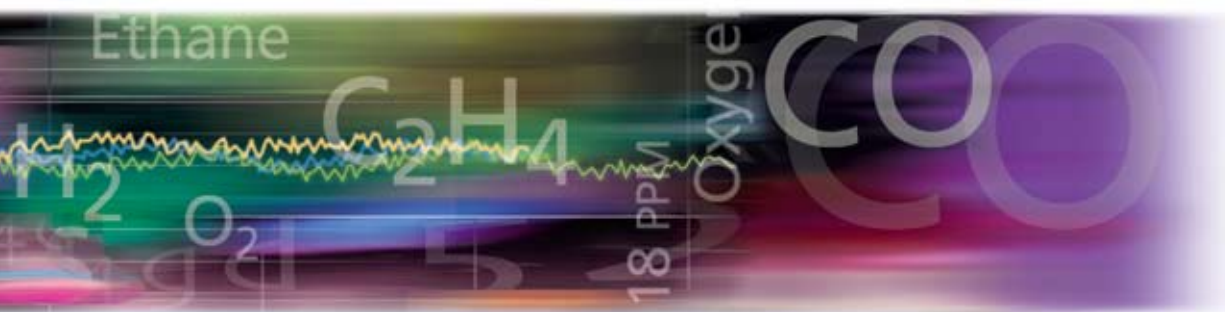
As part of our service, assigned personnel in your organization will receive personal alarm notifications anytime a Serveron monitor detects an alarm level in a measured parameter. Serveron watches for problems so you don't have to.



## From Data

Serveron Monitoring Service software automatically presents your transformer monitor data in a variety of ways. Both tabular and trend graph displays are available. Serveron goes further, converting your data into information by automatically calculating and plotting your data on diagnostic tool displays such as the Duval Triangle and Rogers Ratios (IEEE) or Basic Gas Ratios (IEC).

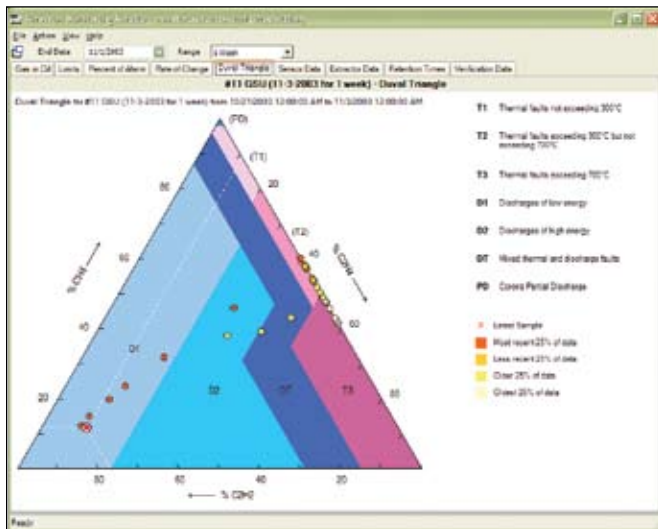




## To Information

On-line DGA is gaining in popularity worldwide and, because of its frequency and accuracy of measurements, provides the best data set for ratio-based diagnostic tools. The advent of on-line DGA has enabled the DGA practitioner to go from infrequent snapshots in time of transformer condition to understanding the dynamic behavior of gases over the operating cycles of the transformer. On-line DGA data is delivering new insights previously unavailable.

**Serveron software can not only retrieve data but can locally or remotely control the Serveron Transformer Monitor.** There is no need to send personnel to the monitor: Change alarm settings and other features right from your desktop!

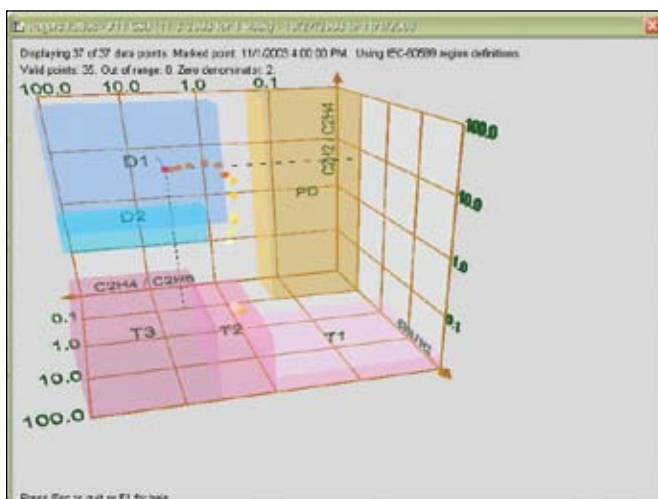


### Make better asset decisions faster!

Our Viewer feature makes it easy for everyone in your organization to view all the data and diagnostic displays simultaneously. No more printing and passing around graphs!

### Value of Trending

The trending of the diagnostic ratios rather than just the basic gas data is the breakthrough. The value is in rate of change of diagnostic ratio indicators, not in static snapshots.



# TM View



Serveron's TM View software is available without the Serveron Monitoring Service for installation on your own servers.

- Poll multiple monitors from a single server
- Automatically plots data on DGA diagnostic tools
- Unlimited number of personnel can view data
- Compatible with all Serveron Transformer Monitors

## Choose your Service or Software.

SERVICES OR SOFTWARE	SMS	SMS PLUS	TM VIEW
Tabular and Graphical Data Views	Yes	Yes	Yes
Unlimited Viewers	Yes	Yes	Yes
Automatic Polling	Yes	Yes	Licensed Feature
Diagnostic Tools	Yes	Yes	Licensed Feature
Monitor Data Management	Immediately available on Serveron's secure servers	Immediately available on Serveron's secure servers	Set up and manage your data on your servers
Global Access	SMS software or web browser access	SMS software or web browser access	No
Personal Alarm Notification	Yes	Yes	No
Data reviews by Serveron personnel	No	Yes	No

### The Serveron Monitoring Service requires daily remote communication with your transformer monitors.

Serveron supports a variety of remote communication methods:

- Standard interfaces include RS-232, RS-485, Ethernet (10/100Base-TX), V.92 Internal POTS modem
- Optional interfaces include cellular modem, Ethernet (100Base-FX), Digital Radio

SERVERON

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BETTER POWER LINES

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