Chillers are the single largest energy-using component in most facilities, and can typically consume over 50% of the electrical usage. Chillers running inefficiently result in substantially higher energy costs, decreased equipment reliability and shortened lifespan. A chiller operating at 70% efficiency can consume approximately 30% more energy to produce the same cooling. The slightest decrease in chiller performance can have a major impact on efficiency. For instance, a 1°F increase in condenser water temperature can decrease chiller efficiency by 2%.

Efficiency Technologies, Inc. (EffTec) has developed state-of-the-art, easy-to-use, online diagnostic service called EffHVAC™ that gives you and your maintenance team the ability to document, monitor, evaluate and manage centrifugal chiller system performance. Combine this powerful tool with our consulting services and start developing a world-class HVAC program and improve your bottom line.

Call Toll Free

1.866.EffTec.1

Or Visit

www.EffTec.com

EffTec ®

Efficiency Technologies, Inc.

What is Eff**HVAC**™?

Eff**HVAC** is a sophisticated, yet simple to use, Web-based service developed by Eff Tec. Eff**HVAC** creates chiller efficiency reports by organizing, analyzing and trending chiller data. These reports contain extremely valuable information, such as daily efficiency vs. the chiller's design specifications, operating costs, KW/ton, tons produced and real dollars lost due to inefficiency. Furthermore, with these reports you can monitor chiller health, pinpoint problems, schedule downtime, justify expenditures, extend chiller life, refine operating procedures and compare multiple chillers at multiple locations. It's easy to see that for a single chiller, Eff**HVAC** can save thousands or tens of thousands of dollars a year (upwards of 35%) in energy costs alone.

How Does Eff**HVAC** Work?

Daily Chiller Logs

A world-class chiller program begins with keeping a daily operating log. It's common for facilities to maintain chiller logs, but unfortunately they rarely get reviewed - which is critical. Eff Tec has created a detailed, downloadable chiller log that is streamlined with the Eff**HVAC** service, reducing data entry time and potential errors.

Log Into Eff**HVAC**

Accessing the system is simple, secure and only requires an Internet connection. Go to www.Eff**HVAC**.com and log in with your username and password. Multiple users can be managed with various levels of security.

Chiller Selection

Eff**HVAC** allows for an unlimited number of chillers in unlimited locations. Simply select the chiller you wish to access from an organized list.

Chiller Data Entry

Data entry from the Eff Tec Daily Chiller Log is quick, easy and can be done by anyone in your organization that has Internet access. Eff Tec also provides data entry services to input current and past chiller data.

Chiller Alarms

Alarm ranges can be customized for each chiller. Any data entered that is outside of these ranges will produce an alarm. The alarms page diagnoses possible causes of the alarm and provides troubleshooting and preventative maintenance tips relating to that alarm.

Chiller Status

Once the chiller data has been entered, the chiller status will be displayed with a wealth of information including: an hourly efficiency graph, a daily efficiency pie chart, average amps, chilled water difference, operating KW, operating tonnage, operating KW/ton, operating loss/gain per hour in dollars and the actual operating cost per hour in dollars.

Calendar

EffHVAC includes a monthly calendar that allows a user to view at a glance the chiller efficiency and status for each day of that month. Individual days can be instantly accessed for more detailed information.

Monthly Reports

EffHVAC will generate an actual paper monthly report for each chiller that will be mailed directly to you. These reports are detailed, easy to read and extremely informative. They include a detailed chiller summary, monthly and year-to-date operational summaries that show actual dollars lost on energy due to inefficiency.

Quick reference graphs make it simple to compare chiller's performance and costs vs. its design specifications. This is yet another powerful analysis tool to compare chillers, identify and correct problems.

Costs

Account Setup $100/chiller
Annual Service License $400/chiller/year
Baseline Data Entry .... $500/chiller/year of data

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EffTec Consulting Services

Let EffTec help your bring your facility to world-class status. EffTec offers comprehensive consulting service and training for HVAC systems ranging from telephone or e-mail interviews, facilities audits, complete program/procedures design and hands-on, on-site training programs.

Our team consists of industry-recognized experts in HVAC system design, preventive and proactive maintenance, repair, chemistry and efficiency.

EffTec is an independent, **vendor-neutral** company, so you can trust that our recommendations and reports will be unbiased, thorough and results-oriented.

In addition, combine any of our consulting services with the purchase of our EffHVAC service and EffTec will waive the $100 per chiller set-up fee.

Call for More Information and Rates.

1.866.EffTec.1

EffTec®

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