VENNEXS

Exit

Connection ●   Phases ● ● ●   Load ●

Reading from Meter A

Energy / Power	56.58 KWh
	0.05 KVA
Demand	48.96 Hz
Frequency	395.95 V
Three Phase Voltage	228.61 V
Single Phase Voltage	20.70 KVA
Peak Demand	

Select Meter >>

Display - Detailed | Bill Details | Graph | Settings

Server Status: Alive

VNXView Version 1.2.2

the future of sub-metering is here...

VNXView

VENNEXS
next generation solutions

Automatic Meter Reading

*P*recise in-time event shots of your energy consumption will guide you to reduce power bills which can only be achieved by implementing Automated Meter Reading (AMR) technology which will any time show you how, when and where the energy is consumed in the system.

Prime goal is to conserve the energy for the most essential and required need based areas. This allocation can be made with the VNXView energy management package.

What is VNXView?

VNXView helps to optimize the energy consumption with its various data logger features which are very essential in energy conservation if you are looking at.

Individual metering provides the feature of hassle free situation of who has used how much, creating a congenial atmosphere between the owner and tenants. Apart from this, the tenant gets state of art latest pattern and system of conserving energy on his load side.

VNXView is designed and featured to give graphs and charts of the loads and the energy for all the 24 hours. This information greatly helps you to analyze the consumption pattern of the load system.

Why VNXView?

*V*NXView provides complete peace of mind to complex owners and great savings to industries. Features of VNXView are:

➔ Automated meter reading and billing system for commercial and industrial complexes.

➔ Provides accurate meter readings.

➔ Reduces operational costs by delegating the energy accountability to tenants.

➔ Bills the customer based on his actual energy usage and not on averages charges based on area of occupancy.

➔ Avoids billing complaints and helps handle billing confidently

➔ Generate professional looking monthly bills for tenants/clients.

➔ Bills and other energy information can be viewed from anywhere via internet.

➔ Enhances overall profitability by attracting and retaining prestigious and desirable tenants/clients.

➔ Maximizes property value.

➔ Decrease operational cost by putting energy conservation measures.

Features...

*F*ollowing are a few features of VNXView system:

➔ Easily customizable to work with energy meters from various manufacturers.

➔ Meters can be in basement, or distributed in individual tenant/client offices or it can be even distributed through out the campus.

➔ Supports both wired and wireless connection to meter.

➔ Distance between meters and monitoring station is not an issue

VNXView helps...

*V*NXView helps you in cost cutting

Automated meter reading systems are an attractive technology for cutting costs while increasing speed and control of metering activities. Here are some ways by which VNXView can help you in cost cutting:

Manage Demand Charges: Commercial and industrial electric bills include large demand charges based on peak usage during a month. Peak demand can be lowered just by changing when loads are started with the need to lower energy usage.

Load and Power Factor: Utilities companies insists on load power factor with max power factor. VNXView allows to monitor power factor and load factor.

Sub metering energy savings persist over time: Sub metering savings have proven to be maintainable over long periods of time as the accountability and energy savings responsibility is transferred to clients

Sub metering benefits owners: Sub metering largely eliminates a volatile, variable, and difficult-to-control factor from a building's operating budget. Owners can better predict costs when the only electric usage to be considered is for common areas under management control.

Gives a clear picture of usage: Know which tenant/department is using how much power. This can help in allocation is cost on the basis of departments in industrial complexes.

Power theft alarms: For commercial complexes power theft alarm is a great tool to track if there is any unauthorized usage of your power.

Simple, yet powerful

VNXView is made to make it simple and easy to use, but on the same time it is as powerful as to have the following features:

Live Data:
Monitor real time energy consumption, demand, line condition and power factor etc.

Automatic Alarms:
Alarms when demand rises above a set level, which helps in demand management and thus helping in cost cutting. Also alarms when a power theft happens.

Real Time Billing:
View up to date billing even if billing period had not completed.

Trend Analysis:
Provides energy usage profile for daily, monthly and yearly analysis, both in graphical and tabular forms.

No Distance Limitation:
With VNXView there is no limitation of distance between you and your meter. Meters can be distributed over building or campuses. Can be also accessed from anywhere in the world using a web server.

Data Archive:
Store up to 1 minute data samples for past 12 months, thus giving freedom to look at old bills, graphs and reports etc. with ease.

Customizable:
We understand that different people like things in different way. This is why we have made VNXView very much customizable.

Administration Tools:
Manage user accounts, access privileges and much more from an intuitive and convenient interface.

Easy Setup:
VNXView provides a hassle free way to install and uninstall energy meters from network. It's friendly interface allows adding or removing meters from monitoring list with ease.

No Special Requirement:
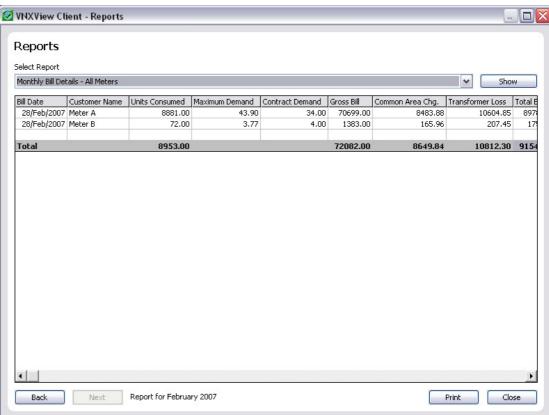VNXView can be installed in less then four hours without causing major interuption.

Screenshot - Bill Window

VNXView

Electricity Bill (for meter # 04-12-UN1558)

Building / Complex Name and Address

Sample Complex
Door No.,
Street No.,
Locality, City,
State

Tenant/Occupant Name

Meter A

Feeder/Meter Name

Meter A

Bill Period

1 - 28, Feb 2007

Bill Date and Time

Mar 16, 2007 4:54 PM

Load Sanctioned	**Peak Load Consumed**
34.00	43.90

	Units	Rate	Amount
Demand Charges	34.00	200.00	6800.00
Demand Penalty	9.90	400.00	3960.00
Energy Charges	8881.00	5.95	52841.95
Power Factor Penalty	8881.00	0.42	3730.02
Tax	67331.97	0.05	3366.60
Total *			**70699.00**

Initial Reading (KWh)	**Final Reading (KWh)**
50916.34	59797.55

C. T. Ratio	**Multiplying Factor**	**Common Area Charges**	**Transformer Loses**
100/5	N/A	8483.88	10604.85

Units Consumed	**Billing Consumption**	**Avg. Daily Power Usage***	**Avg. Daily Bill***
8881.21	8881.00	317.18	2524.96

* Excluding common area charges and transformer losses

Note: Load sanctioned is contract demand or power availed. Demand charges will be levied on contract demand or highest demand utilised, which ever is higher.

Common area charges are charged at 12% of Total*

Transformer loses are charged at 15% of Total*

Net Payable Amount

89788.00

Print   Close

Screenshot - Graph Window

Graph - VNXView

Meter A's daily load profile (KVA) - Wednesday, February 28 2007

| Initial KWh: | 59428.54 | Initial KVAh: | 77515.82 | Total Units Consumed (KWh): | 369.01 |
| Final KWh: | 59797.55 | Final KVAh: | 77993.27 | Avg. Units Per Hour (Kwh): | 15.38 |

HIGHEST POWER OF 37.79 KVA USED AT 17:00 HRS

Load Profile: Daily — 28, February , 2007 — Show
Graph Type: ● Bar Graph ○ Line Graph
Print / Close

Screenshot - Report Window

VNXView Client - Reports

Reports

Select Report: Monthly Bill Details - All Meters — Show

Bill Date	Customer Name	Units Consumed	Maximum Demand	Contract Demand	Gross Bill	Common Area Chg.	Transformer Loss	Total B
28/Feb/2007	Meter A	8881.00	43.90	34.00	70699.00	8483.88	10604.85	897
28/Feb/2007	Meter B	72.00	3.77	4.00	1383.00	165.96	207.45	17!
Total		**8953.00**			**72082.00**	**8649.84**	**10812.30**	**9154**

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