

<https://youtu.be/pkeRgmkoV5A?si=VxB7YZKugmWTyz5B>

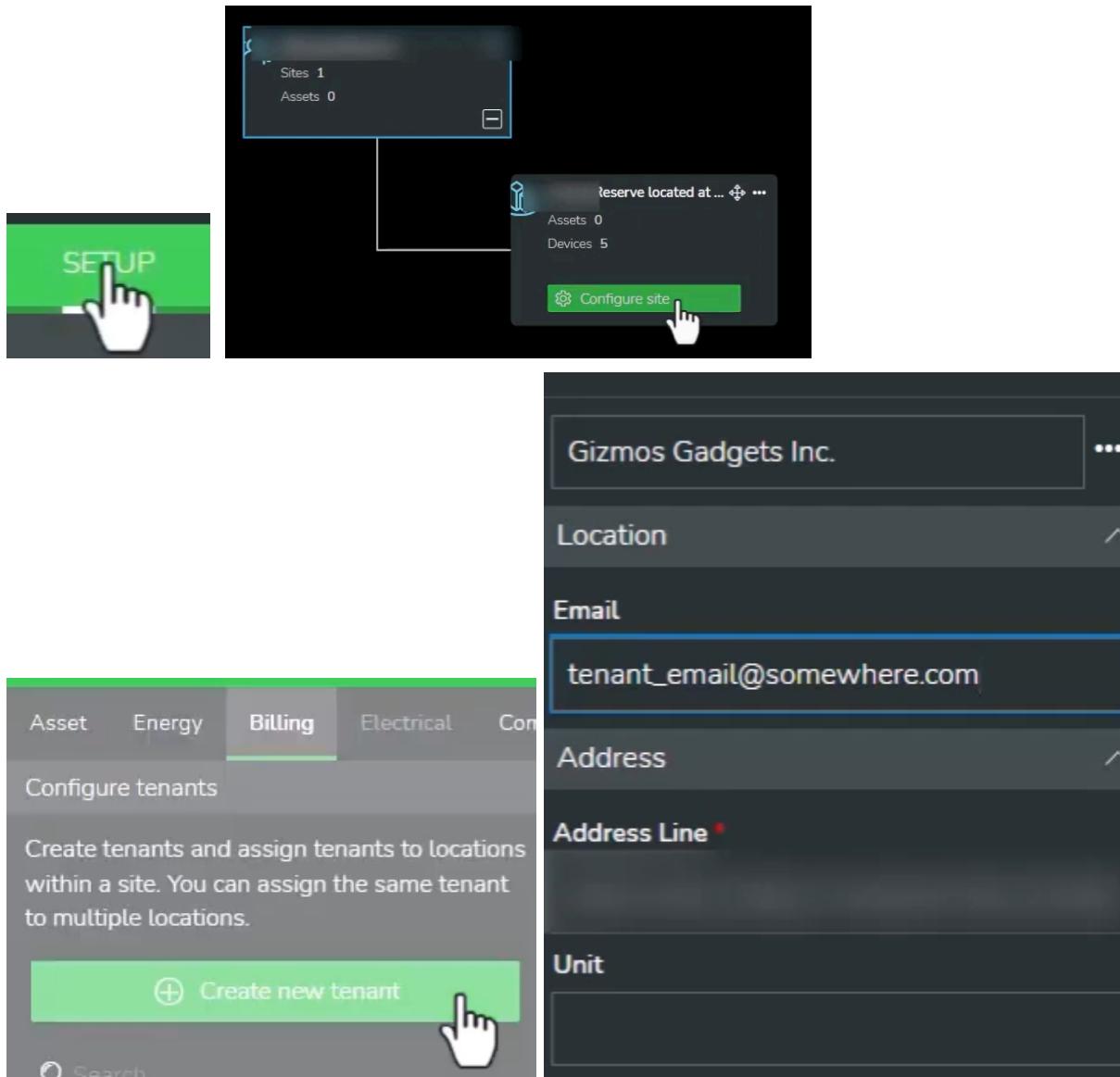
DEMONSTRATION OF TENANT ENERGY BILLING

Cloud Energy Management Platform

How Kathy generates Energy billing for Acme Industry?

Step 1	Create Tenants
Step 2	Assign tenants to locations
Step 3	Create a “Bill Run”
Step 4	Verify and download bills

Create a New Tenant:

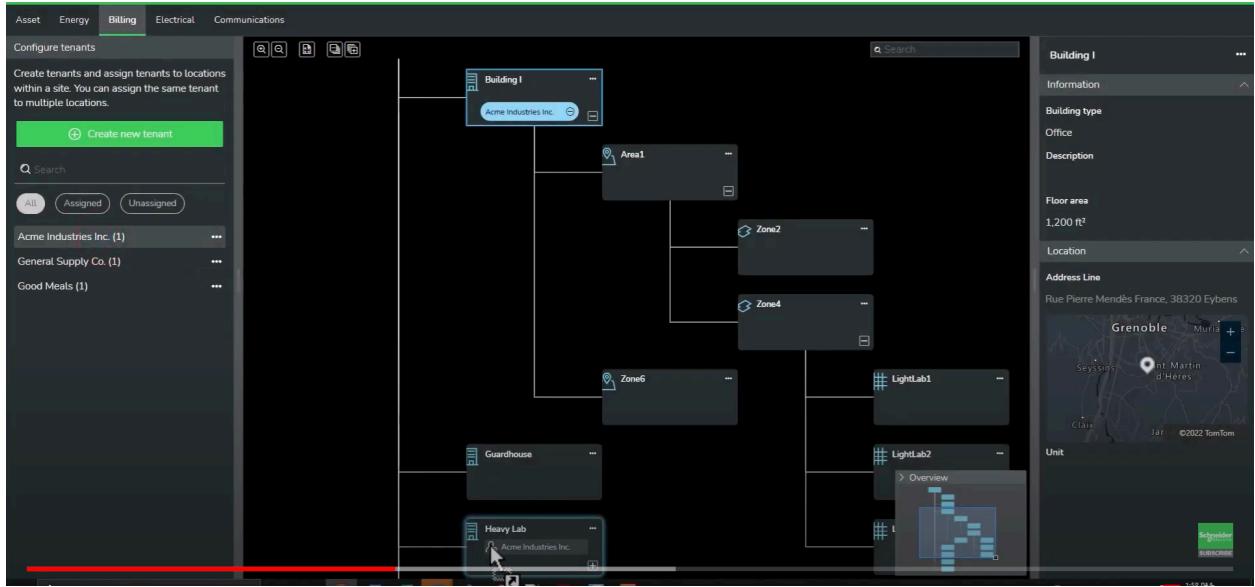


Assign tenants to locations:

The next step is to associate the correct spaces to the tenants

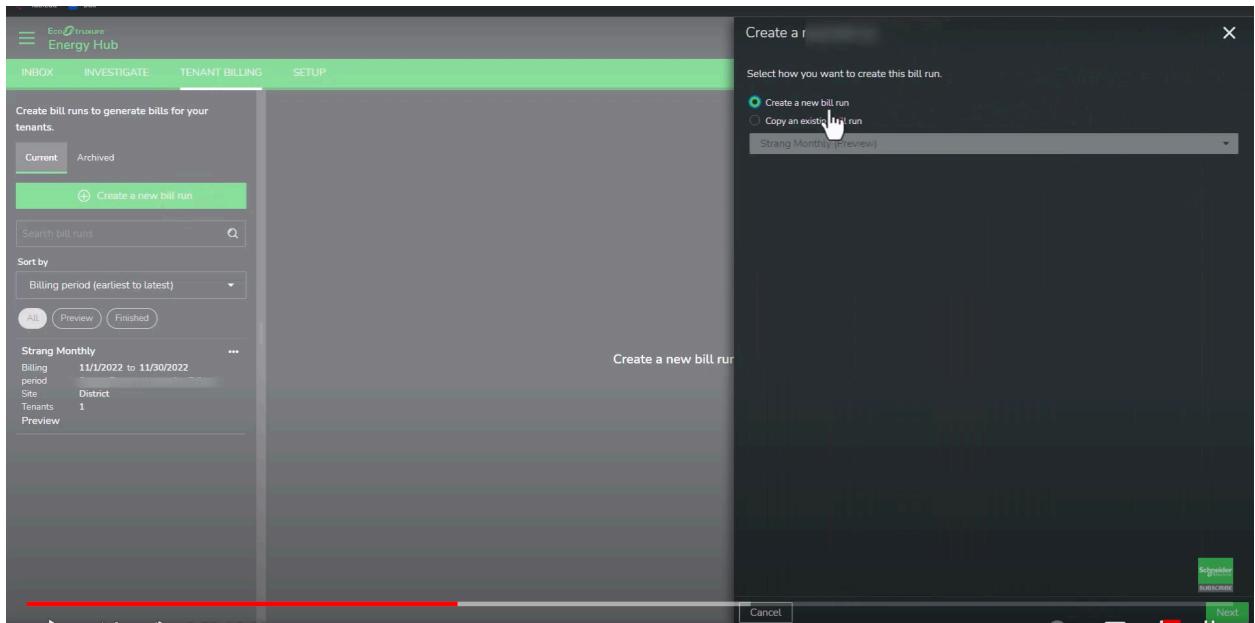
Assigning location to particular Tenant

Dragging the tenant and dropping on location

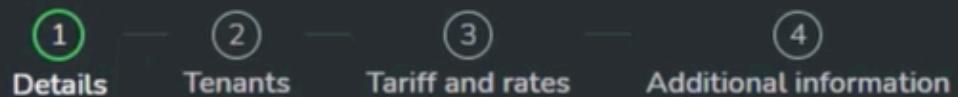


Create a “Bill Run” :

Third step is an important one configuring what we call a bill run that is configuring things like energy tariffs(a tax or duty to be paid on a particular class of imports or exports), billing periods etc



Create a new bill run



Configure the general details of this bill run.

Basic details

Name *

Acme Industries

Description

Tenant for Building I

Billing period

Start date *

11/01/2022

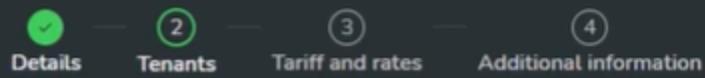


End date *

11/15/2022



Create a new bill run



Select the site and tenants for this bill run.

Site

Strang Reserve located at Edison District

Tenants

Search tenants

0 of 2 tenants selected

Select all (2)

Clear all (2)

Select one or more tenants

Edison

Strang



Create a new bill run



Configure the tariff charges and rates for this bill run.

Charges



Electric energy charge

Charge based on the tenant's electricity usage during the billing period.

Rate *

\$0.22 / kWh

Label in the bill *

Electric energy charge

Description in the bill

kWh charge



Demand charge allocation

Demand allocation, based on the tenant's energy consumption relative to the total consumption of the site.

Demand charge to allocate *

14.1 / kW

Label in the bill *

Demand charge allocation

(Demand charge to allocate → Utility charge)

Create a new bill run

Details Tenants **3** Tariff and rates **4** Additional information

Configure the tariff charges and rates for this bill run.

Charges

Description in the bill
Demand charge allocated across tenants

Fixed charge
Fixed charge per tenant.

Charge *
\$4.00

Description in the bill
Processing Fee

Tax
Tax rate charged on the subtotal after all other charges have been calculated.

Rate *
18

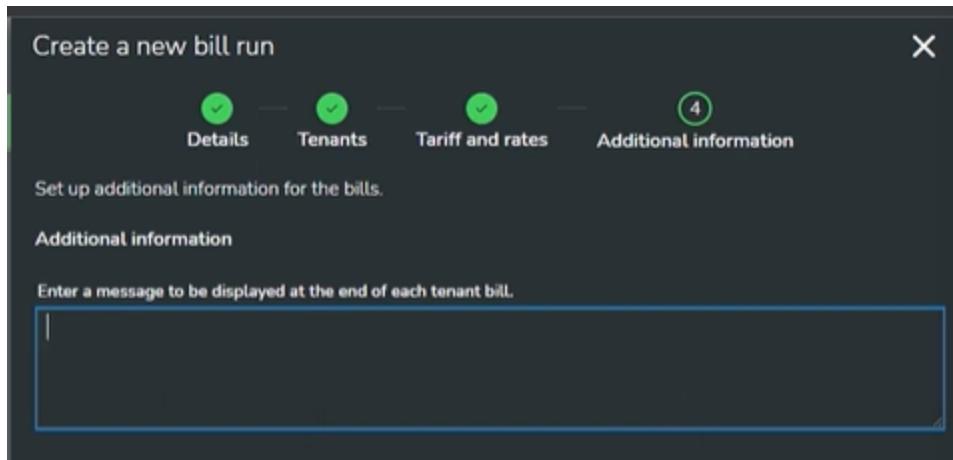
Rate → 18%

Rate *
18.00%

Label in the bill *
Local and muni taxes

Description in the bill
Acme Industries tax allocation

Customized msg that we can append :



Verify & Download Bills :

Downloading the bill so that Kathy can send it off to her tenant.
To verify and download billing we go to Tenant billing.

The screenshot shows the 'TENANT BILLING' tab selected in the top navigation bar of the 'Energy Hub Demo' application. On the left, there's a sidebar with 'INBOX', 'INVESTIGATE', 'TENANT BILLING' (selected), and 'SETUP'. The main area displays a list of bill runs. A context menu is open over a 'Monthly Bill Run' entry for 'Energy Hub Campus' from 9/1/2022 to 9/30/2022. The menu options are: 'Finish', 'Edit', 'Copy as new bill run', and 'Delete'. A tooltip above the menu says 'Create a new bill run or select an existing bill run.'

We can also archive bills that we are not interested anymore.
For particular build run we can even copy it as template for a new bill run or edit it.

INBOX INVESTIGATE TENANT BILLING SETUP

Create bill runs to generate bills for your tenants.

Current Archived

+ Create a new bill run

Search bill runs

Sort by Billing period (earliest to latest)

All Preview Finished

Monthly Bill Run ...
Billing period 9/1/2022 to 9/30/2022
Site Energy Hub Campus
Tenants 3
Preview

Monthly Bill Run USD ...
Billing period 9/1/2022 to 9/30/2022
Site Energy Hub Campus
Tenants 3
Preview

Monthly Bill Run

Preview

Finish Edit Copy as new bill run Delete

Bills Tariffs and rates Bill run details

Billing period 9/1/2022 to 9/30/2022 Total cost (all tenants) €6,683.41 Bill run calculated 10/12/22, 01:56:16 CDT

Tenant	Status	Total	Bill (Preview)
Acme Industries Inc.	✓ Complete	€2,680.52	
General Supply Co.	✓ Complete	€2,446.61	
Good Meals	✓ Complete	€1,556.28	

Tenants: 3

Schneider Electric

Download all bill previews...

INBOX INVESTIGATE TENANT BILLING SETUP

Create bill runs to generate bills for your tenants.

Current Archived

+ Create a new bill run

Search bill runs

Sort by Billing period (earliest to latest)

All Preview Finished

Monthly Bill Run ...
Billing period 9/1/2022 to 9/30/2022
Site Energy Hub Campus
Tenants 3
Preview

Monthly Bill Run USD ...
Billing period 9/1/2022 to 9/30/2022
Site Energy Hub Campus
Tenants 3
Preview

Monthly Bill Run

Preview

Finish Edit Copy as new bill run Delete

Bills Tariffs and rates Bill run details

Charges

Electric energy charge
Charge based on the tenant's electricity usage during the billing period.

Rate	€0.12 / kWh
Label in the bill	Electric energy charge
Description in the bill	(No description)

Fixed charge
Standard charge per billing period for fixed costs related to metering, billing, and payment processing.

Charge	€12.00
Label in the bill	Fix charge
Description in the bill	(No description)

Tax
Tax rate charged on the subtotal after all other charges have been calculated.

Rate	12.00%
Label in the bill	Tax
Description in the bill	(No description)

Above we can examine all the components

INBOX INVESTIGATE TENANT BILLING SETUP

Create bill runs to generate bills for your tenants.

Current Archived

+ Create a new bill run

Search bill runs

Sort by: Billing period (earliest to latest)

All Preview Finished

Monthly Bill Run ...
 Billing period 9/1/2022 to 9/30/2022
 Site Energy Hub Campus
 Tenants 3
 Preview

Monthly Bill Run USD ...
 Billing period 9/1/2022 to 9/30/2022
 Site Energy Hub Campus
 Tenants 3
 Preview

Monthly Bill Run

Preview

Finish Edit Copy as new bill run Delete

Bills	Tariffs and rates	Bill run details
Description	(No description)	
Site	Energy Hub Campus	
Number of tenants	3	
Creation date	10/3/22, 21:31:45 CDT	
Bill run calculated	10/12/22, 01:56:16 CDT	
Billing period	9/1/2022 to 9/30/2022	
Additional information		
(No additional information)		

INBOX INVESTIGATE TENANT BILLING SETUP

EcoStruxure Energy Hub

Create bill runs to generate bills for your tenants.

Current Archived

+ Create a new bill run

Search bill runs

Sort by: Billing period (earliest to latest)

All Preview Finished

Monthly Bill Run ...
 Billing period 9/1/2022 to 9/30/2022
 Site Energy Hub Campus
 Tenants 3
 Preview

Monthly Bill Run USD ...
 Billing period 9/1/2022 to 9/30/2022
 Site Energy Hub Campus
 Tenants 3
 Preview

Monthly Bill Run

Preview

Finish Edit Copy as new bill run Delete

Bills	Tariffs and rates	Bill run details
Billing period	9/1/2022 to 9/30/2022	Bill run calculated 10/12/22, 01:56:16 CDT
Total cost (all tenants)	€6,683.41	
Tenant	Status	Total
Acme Industries Inc.	✓ Complete	€2,680.52
General Supply Co.	✓ Complete	€2,446.61
Good Meals	✓ Complete	€1,556.28

We can also look for calculation details for a particular bill run which can be useful for auditing.

Bill calculation details

Acme Industries Inc.
Energy Hub Campus

[Download bill...](#)

Status	✓ Complete
Billing period	9/1/2022 to 9/30/2022
Bill calculated	10/12/22, 01:56:16 CDT

Total €2,680.52

Electric energy charge €2,381.32

Label in the bill	Electric energy charge
Description in the bill	(No description)
Energy consumption (tenant)	19,844 kWh
Rate	€0.12 / kWh
Charge calculation	19,844 kWh × €0.12 / kWh = €2,381.32

Fixed charge €12.00

Label in the bill	Flat charge
Description in the bill	(No description)

Subtotal €2,393.32

Tax €287.20

Label in the bill	Tax
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[Close](#)

Last step click on Preview the bill

Monthly Bill Run

[Preview](#)

Bill		Tariffs and rates		Bill run details	
Billing period	9/1/2022 to 9/30/2022	Total cost (all tenants)	€6,683.41	Bill run calculated	10/12/22, 01:56:16 CDT
Tenant					⋮
Acme Industries Inc.	✓ Complete				€2,680.52
General Supply Co.	✓ Complete				€2,446.61
Good Meals	✓ Complete				€1,556.28

we can preview the bill it generates as a PDF

[Tenant Billing Video Script...](#)

[Show all](#)

Tenant bill

1/1

Acme Industries Inc.

Rue Pierre Mendès France
 Eybens, Auvergne-Rhône-Alpes
 France
 38320

Billing period: **9/1/2022 to 9/30/2022**

Total	€2,680.52
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Details

Electric energy charge	€2,381.32
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Consumption:	19,844.32 kWh
Rate:	€0.12 / kWh

Flat charge	€12.00
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Subtotal	€2,393.32
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Tax	€287.20
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12% of €2,393.32

Total	€2,680.52
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Summary : Facility managers and energy managers need tenant billing features to build both internal and external customer for their energy

Ecostruxure has simplified way to both generate and organize these tenant bills

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Who is the largest manufacturers of Tenant Billing Software Market worldwide?

- SystemsLink 2000 Ltd
- TEAM (Energy Auditing Agency Ltd.)
- Enertiv
- Semsys

- Honeywell International Inc.
- Delmon Solution
- Commercial Water & Energy Co.
- IOTomation Ecotech Pvt. Ltd.
- MACH Energy
- Entronix Energy Management, Inc.
- Accuenergy Ltd

Get a sample PDF of the report at -

<https://www.industryresearch.co/enquiry/request-sample/22367981>

Increased demand for residential and commercial applications.

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Enertiv

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Semsys Tenant Billing

Features

- Automated billing
- Works on Niagara4 and AX
- Quick and simple set-up
- HTM5 web UI
- Runs on all browsers
- Works on Mobile
- Scalable - suitable for any size of building

- Integrated with the Cloud

Benefits

- Manage multiple buildings
- Set up any utility rate structure :- time-of-use, ratchet
- Create bills that look exactly like utility bills
- Auto email bills
- Visualize data in charts
- Customize user access
- Add your own logo

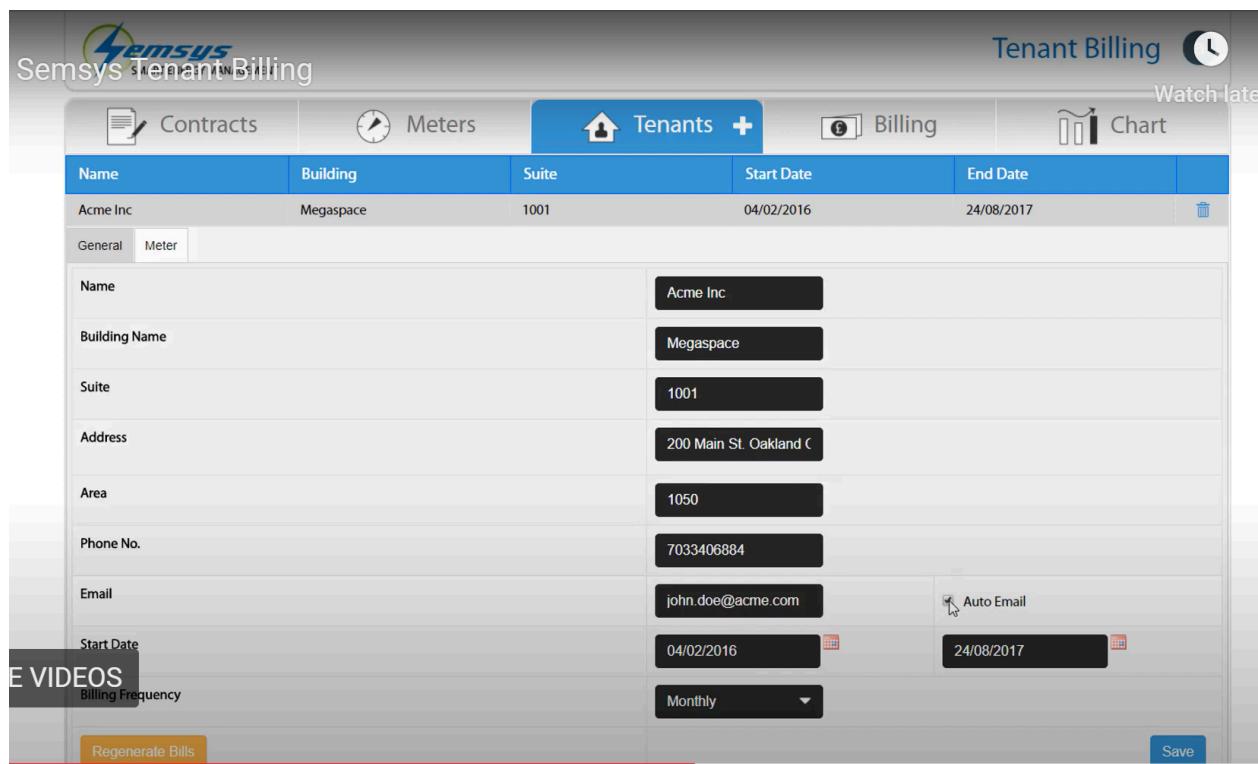
The screenshot shows a software application window titled "Semsys Tenant Billing". The main menu bar includes "Contracts", "Meters", "Tenants", "Billing", and "Chart". A sub-menu "Tenant Billing" is open, showing options "Watch later" and a clock icon. The main content area displays a table of meters:

Name	Meter Type	Serial No.	Contract	Action
Suite 1002 water	Water	WM123		trash
Suite 1000 power	Power	P123	Day Night	trash
Suite 1001 electricity	Electricity	E123	HighPeak PartPeak OffPeak	trash

A modal dialog is open over the table, specifically for the "Suite 1001 electricity" meter. The dialog has fields for "Type of Meter" (set to "Electricity"), "Meter Unit" (dropdown menu showing "Power", "Electricity", "Gas", "Steam", "Water", "Sewerage", "Hot Water", "Chilled Water", "Tenant Override", "Common Area", and "history:/SCP1_28KM1sZkWhSystemNet"), "Meter Name", "Serial No.", and "History". A "Save" button is at the bottom right of the dialog.

Type of Meter	Electricity
Meter Unit	kWh kWh kVAh kVArh kJ kcal
Meter Name	
Serial No.	
History	history:/SCP1_28/PM1\$2fkWhSystemNet

Units changes as per type of meter



The screenshot shows the Semsys Tenant Billing application. At the top, there's a navigation bar with tabs for Contracts, Meters, Tenants (selected), Billing, and Chart. On the right side of the header, there are buttons for Tenant Billing, Watch-late, and a clock icon. Below the header, a table displays tenant information:

Name	Building	Suite	Start Date	End Date
Acme Inc	Megospace	1001	04/02/2016	24/08/2017

Below the table, there's a detailed view of the tenant's general information:

Name	Acme Inc	
Building Name	Megospace	
Suite	1001	
Address	200 Main St. Oakland CA	
Area	1050	
Phone No.	7033406884	
Email	john.doe@acme.com	<input checked="" type="checkbox"/> Auto Email
Start Date	04/02/2016	24/08/2017
Billing Frequency	Monthly	

At the bottom left, there are buttons for E VIDEOS and Regenerate Bills. On the far right, there's a Save button.

Contracts **Meters** **Tenants +** **Billing** **Chart**

Name	Building	Suite	Start Date	End Date
Acme Inc	Megospace	1001	04/02/2016	24/08/2017
<input type="button" value="General"/> <input type="button" value="Meter"/>				
Name		Acme Inc		
Building Name		Megospace		
Suite		1001		
Address		200 Main St. Oakland CA		
Area		1050		
Phone No.		7033406884		
Email		john.doe@acme.com		<input checked="" type="checkbox"/> Auto Email
Start Date		04/02/2016	<input type="button" value=""/>	24/08/2017
DEOS Billing Frequency		Monthly		
<input type="button" value="Regenerate Bills"/>		<input type="button" value="Save"/>		

Tenants				
Name	Building	Suite	Start Date	End Date
VeriNext	Megospace	1000	22/09/2016	23/08/2018
NextEnt	Megospace	1002	17/08/2016	23/08/2018

Contracts **Meters** **Tenants +** **Billing** **Chart** **Watch later**

Name	Building	Suite	Start Date	End Date
Acme Inc	Megospace	1001	04/02/2016	24/08/2017
<input type="button" value="General"/> <input type="button" value="Meter"/>				
Meter List			Meters	
Name	Sr.No.	Meter Type	Contract	
Suite 1001 electricity	E123	Electricity	HighPeak PartPeak OffPeak	
			<input type="checkbox"/> Suite 1002 water	<input type="button" value="Assign Contract"/>
			<input checked="" type="checkbox"/> Suite 1001 electricity	<input type="button" value="HighPeak PartPeak OffPeak"/>

Semsys Tenant Billing

Tenant Billing

Contracts Meters Tenants Billing Chart

Megospace Acme Inc

semTbInvoiceServlet 1 / 1

Sumsys SMART ENERGY MANAGEMENT

Tenant: Acme Inc
Building: Megospace
Suite: 1001

Date Raised: 18-08-2017
Bill From: 15-09-2016
Bill To: 14-10-2016

Meter Information

Meter Name	Serial No	From Date	To Date	Open Read	Close Read
Suite 1001 electricity	E123	15-09-2016	14-10-2016	11,552	17,706

Billing Charges

Item Name	Quantity	Units	Unit Price	Units	Price
Facility Charge	-	-	\$10.00000	-	\$10.00
High Peak	1,126.74	kWh	\$0.80000	\$/kWh	\$901.39
High Pk Energy Charge	1,126.74	kWh	\$0.11000	\$/kWh	\$123.94
High Pk Energy Charge	1,126.74	kWh	\$0.01000	\$/kWh	\$15.27

Commercial Water & Energy Co.

Sub-meter Equipment Installation and Maintenance

Equipment Installation and Service:

- Electricity
- Gas
- Water/Sewer
- HVAC Run Time
- Point of Use

Maintenance:

- Full Service
- On-call

Commercial Water & Energy has access to a 600 truck fleet of installation and maintenance professionals with experience servicing the multi-tenant industry.

Billing Services

Meter Reading

Convergent Billing:

- Utilities
- Ancillary Services
- Rent

Payment Processing:

- Checks
- Credit Card
- E-check

Integrated:

- Data Services
- Resident Activity
- Utility Charges

Online Services:

- Resident Activity
- Resident Payments
- Property Dashboard
- Comprehensive Reporting Platform

Sewer - Sewer, conduit that carries wastewater from its source to a point of treatment and disposal.

E-Check - An e-check is a type of electronic payment that is sent directly from one bank account to another.

Whether you are in the construction stages of a new development or you want to retrofit an existing property, we'll help you begin the billing process and install the equipment necessary to read automatically, bill directly, and collect promptly all water, sewer, gas, and electric bills. Don't waste another month; recapture your utility expenses today with Commercial Water & Energy.

Resident Resources

Timely and accurate utility billing is critical to the operations of any multi-tenant property. Providing your tenants with online payment services that offer real-time information through cloud access and a variety of payment options to fit any lifestyle and budget are value-added solutions you need to succeed. Get all this and more with Commercial Water & Energy utilities management services and multi-family property management software. Through our web-based resident portals, we make it exceptionally easy for tenants to view their current bill and payment history, and to pay their bill any time of the day or night and from anyplace where there is internet access. Click web-based billing to learn more about the only utility management company you need – Commercial Water & Energy.

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Peaks :

High peak, part peak, and off-peak are billing periods used in energy pricing.

High peak signifies times of highest electricity demand.

Part peak denotes intermediate demand periods.

Off-peak refers to times of lowest electricity demand.

Different pricing structures are applied to incentivize consumption during off-peak hours.

#####

MACH Energy :

Fully-automated meter reading utilizing trusted and reliable hardware.

Highly flexible solutions capable of adapting to your unique process requirements.

Enhanced manual meter reading through our mobile app:

Catch errors at the point of entry with automatic validation

Take meter photos for audit support (optional)

Quickly enter readings in the app by scanning meter labels

Automatically transfer data for bill generation

Increase your cash flow and speed up billing by utilizing our tariff engine: know your previous month's billed rates without having to wait for your utility bill.

Answer any tenant billing questions or audits in seconds with full reporting transparency available for your entire billing history.

MACH's tenant billing solutions are made with the intent to provide you with fast and accurate energy data analytics, as well as quick and efficient tenant billing processes so that you can spend more times focusing on other projects and energy conservations measures.

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<https://www.accuenergy.com/support/modbus-map/?modbus-map=acuvim-ii-modbus-map>