



Professional performance reports

Extract intelligence from your archived building data and make informed operational decisions with Reliable Controls® RC-Reporter®. This fully customizable, server-based application allows you to analyze the trend and runtime data from any BACnet Internet-connected building, and generate professional performance reports, quickly and accurately.



Better by design



www.reliablecontrols.com/RCR

Tech Specs

Recommended Server

Requirements

- All hardware rated for continuous server operation
- Intel Xeon E3 3.10 GHz or better
- Four cores must be available for RC-Reporter*
- x64 system architecture
- 16 GB RAM
- Hardware RAID in a redundant performance configuration with 10K RPM SAS drives or better
- 10 GB hard disk space free, or higher, appropriate for archiving needs
- Internet connection for software download and installation
- Gigabit Network Interface Card (server quality)
- Supports Windows Server 2008 R2 to 2014. Recommend to use Windows Server 2014
- Supports SQL Server 2008 R2 to 2014. Recommend to use SQL Server 2014
- RC-Archive® 3.0 or higher (purchased separately)
- Dedicated USB 2.0 Port for RC-Key licensing (soft license optional)
- Maximum Configuration: 25 simultaneous users per server

Report Components

- **Date Range** – plots data against time with full flexibility of the sample period
- **Contribution** – compares values for a configurable period, either as a pie chart or as a column chart
- **Correlation** – identifies how one point influences others using a scatter or column/line diagram
- **Profile** – compares data from different time periods to identify patterns and anomalies
- **Raw Data** – displays a table of raw timestamps and values for a selected log over a configurable date range
- **Number Editor** – provides an interactive control for adjusting a number value in a report (e.g. change the price of energy and see the resulting monthly cost impact)
- **Text** – opens a formatted text box to be entered using a WYSIWYG text editor. Adjust color, size, alignment, style of font and embed links to other reports or any other web page
- **Image** – allows a GIF, JPG, or PNG image to be uploaded into the report (e.g. company logo). Images are scaled to fit, preserving aspect ratio, and centered within the component boundaries

Features

Flexible Report Generation

- Build custom reports quickly by selecting and configuring Report Components
- Select data and ranges from multiple RC-Archive databases and import data from MS-Excel spreadsheets
- Report charts can be configured to be displayed in RC-Studio system groups
- Run simple and complex queries to refine data used in Report Components
- Apply standard math functions, transforms, and operators to data
- Saved reports are stored securely on the RC-Reporter server
- Reports can be easily exported to, and imported from other RC-Reporter installations
- Reports can be exported as a PDF
- View reports on a desktop using Chrome, Safari, or IE, or on an iOS mobile device

Sample Reports

- Customize the sample reports that ship with RC-Reporter to quickly create your new professional-looking reports

Efficient User Administration

- Add, disable, and re-enable user accounts individually
- Support for Microsoft Authentication / Active Directory integration
- Users can reset their own passwords without admin intervention

- Share or schedule report distribution to any number of authorized users by broadcasting report links or PDFs to user-defined email recipient lists
- Designate shared reports to be read-only or configurable, by individual users

Powerful Data Source and Point Management

- Quickly identify, locate, and connect to any number of RC-Archive instances
- Automatically displays all available databases for access
- Flexible point browsing user-interface includes filtering by name, mnemonic, unit, database, and more
- Categories allow points to be organized and tagged easily and efficiently

License and Updates Subscription

- Licensing is limited by the number of unique, active points used in reports
- A subscription for 12 months of updates is included with the initial license purchase
- Software continues to function regardless of subscription state
- No penalty to renew expired subscriptions
- Free trial version allows up to five unique points to be used for evaluation purposes

Ordering

RC-R3-100

- License allowing 100 unique points to be used in active reports
- Comes with RC-Key (USB Software Key)

RC-R3-100A

- Adds 100 points to existing license (must have previously purchased RC-R3-100)
- Upon purchase of the 24th unit of RC-R3-100A, the license is tagged as a site license, equivalent to RC-R3-2500

RC-R3-2500

- Site license allowing unrestricted number of unique points to be used in active reports
- Comes with RC-Key (USB Software Key)

RC-R3-S100

- License allowing 100 unique points to be used in active reports
- Comes with soft license (no USB Software Key required)

RC-R3-S100A

- Adds 100 points to existing soft license (must have previously purchased RC-R3-S100)
- Upon purchase of the 24th unit of RC-R3-S100A, the license is tagged as a site license, equivalent to RC-R3-S2500

RC-R3-S2500

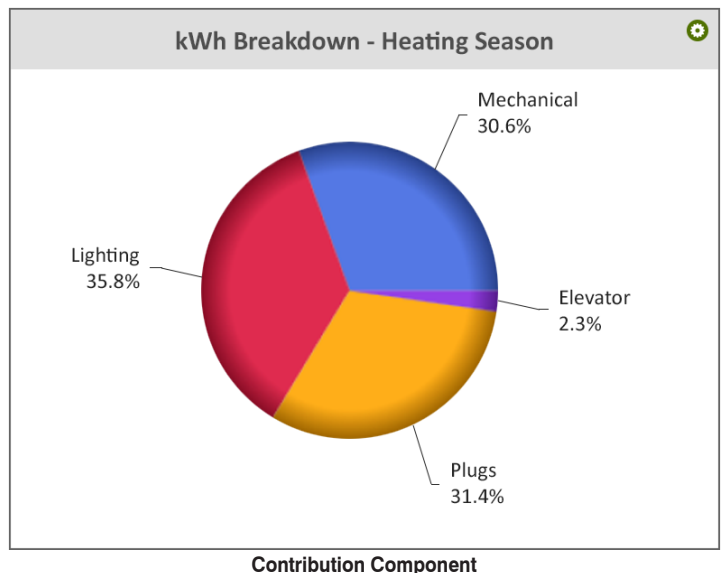
- Site license allowing unrestricted number of unique points to be used in active reports
- Comes with soft license (no USB Software Key required)

RC-R3-S

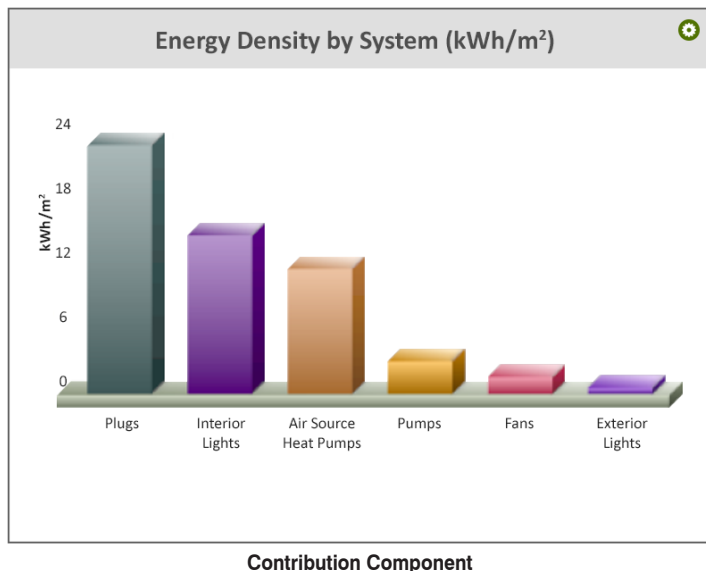
- Subscription for 12 months of online software updates

* When multiple products are installed on a single computer: two cores per product, plus at least two cores for the SQL database

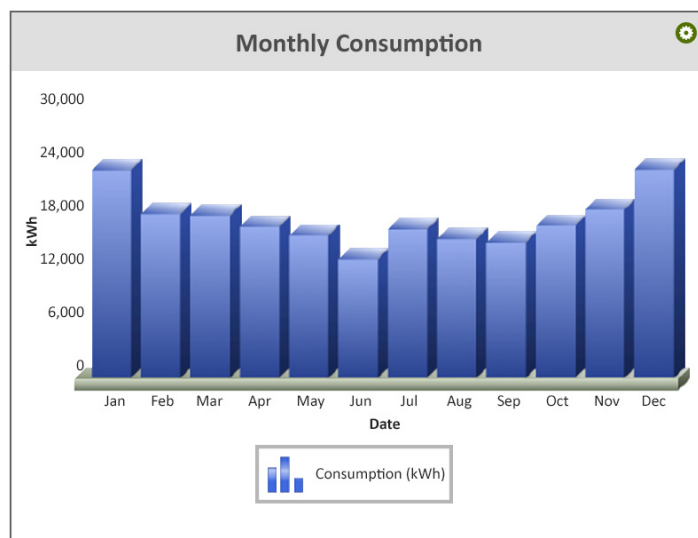
SCREEN CAPTURES



SCREEN CAPTURES



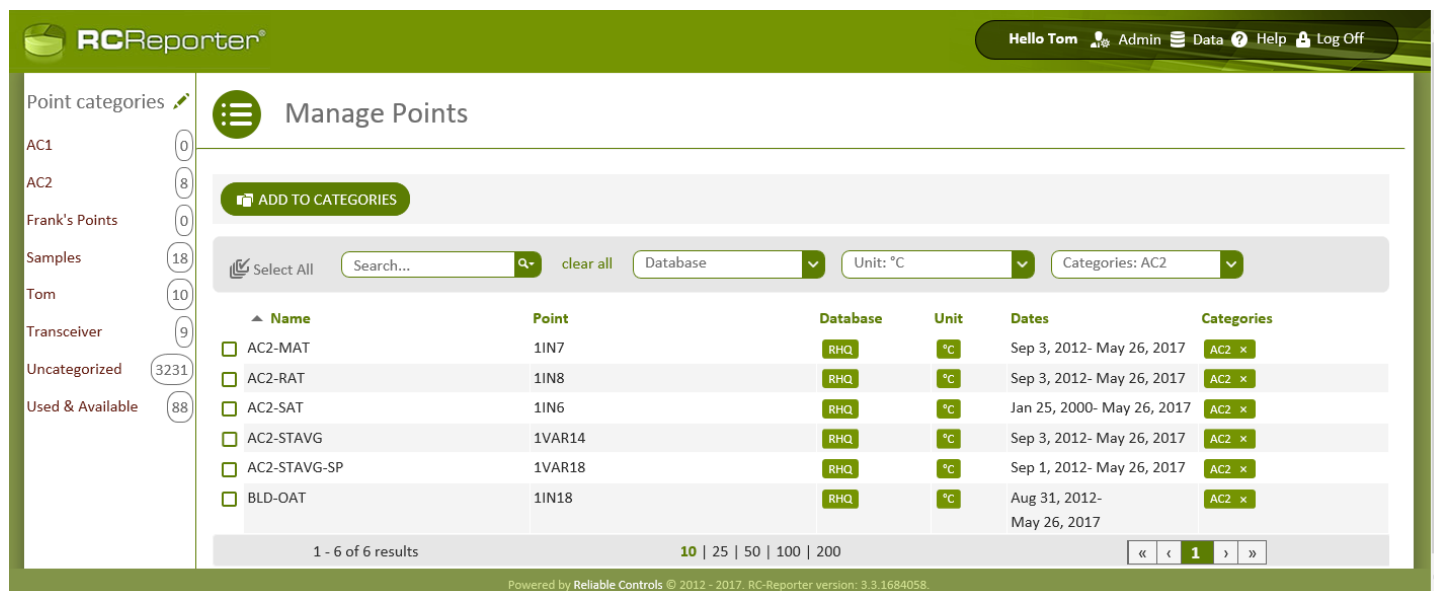
Date Range and Contribution components allow you to easily produce bar, pie, and line charts of building performance data, and perform calculations through powerful SQL-like queries to display aggregates, exceptions, normalizations and much more.



Powerful Query Capabilities

Functions	Value	Math	Conditional
Delta("Total Energy")	Building Demand	+	Where
	Mechanical	-	AND
	Lighting	*	OR
	Plugs	/	NOT
	Elevator	^	=
	Total Energy		<>
	Area		>
	Price		>=
	Tax		<
			<=
			DOW
			DOM
			TIME

SCREEN CAPTURES



Manage Points

ADD TO CATEGORIES

Select All Search... clear all Database Unit: °C Categories: AC2

Name	Point	Database	Unit	Dates	Categories
<input type="checkbox"/> AC2-MAT	1IN7	RHQ	°C	Sep 3, 2012- May 26, 2017	AC2 x
<input type="checkbox"/> AC2-RAT	1IN8	RHQ	°C	Sep 3, 2012- May 26, 2017	AC2 x
<input type="checkbox"/> AC2-SAT	1IN6	RHQ	°C	Jan 25, 2000- May 26, 2017	AC2 x
<input type="checkbox"/> AC2-STAVG	1VAR14	RHQ	°C	Sep 3, 2012- May 26, 2017	AC2 x
<input type="checkbox"/> AC2-STAVG-SP	1VAR18	RHQ	°C	Sep 1, 2012- May 26, 2017	AC2 x
<input type="checkbox"/> BLD-OAT	1IN18	RHQ	°C	Aug 31, 2012- May 26, 2017	AC2 x

1 - 6 of 6 results 10 | 25 | 50 | 100 | 200

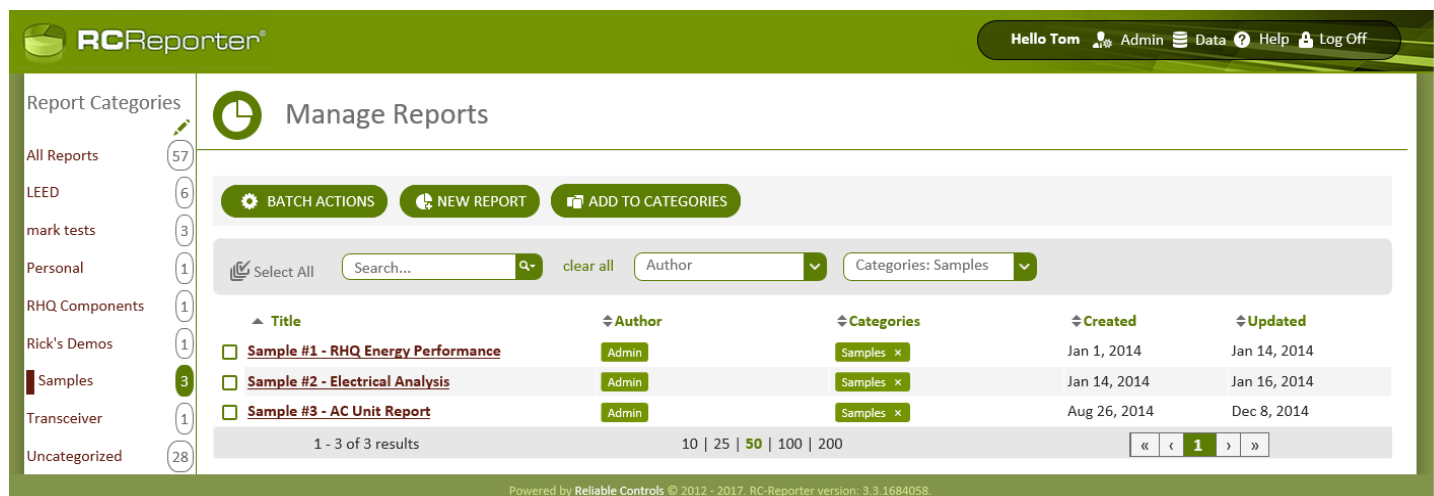
Powered by Reliable Controls © 2012 - 2017. RC-Reporter version: 3.3.1684058.

Manage Points menu showing existing points available for use in any component



Select All Search... clear all Database Unit: Categories

Powerful and intuitive filtering provides effective point retrieval and tagging



Manage Reports

BATCH ACTIONS NEW REPORT ADD TO CATEGORIES

Select All Search... clear all Author Categories: Samples

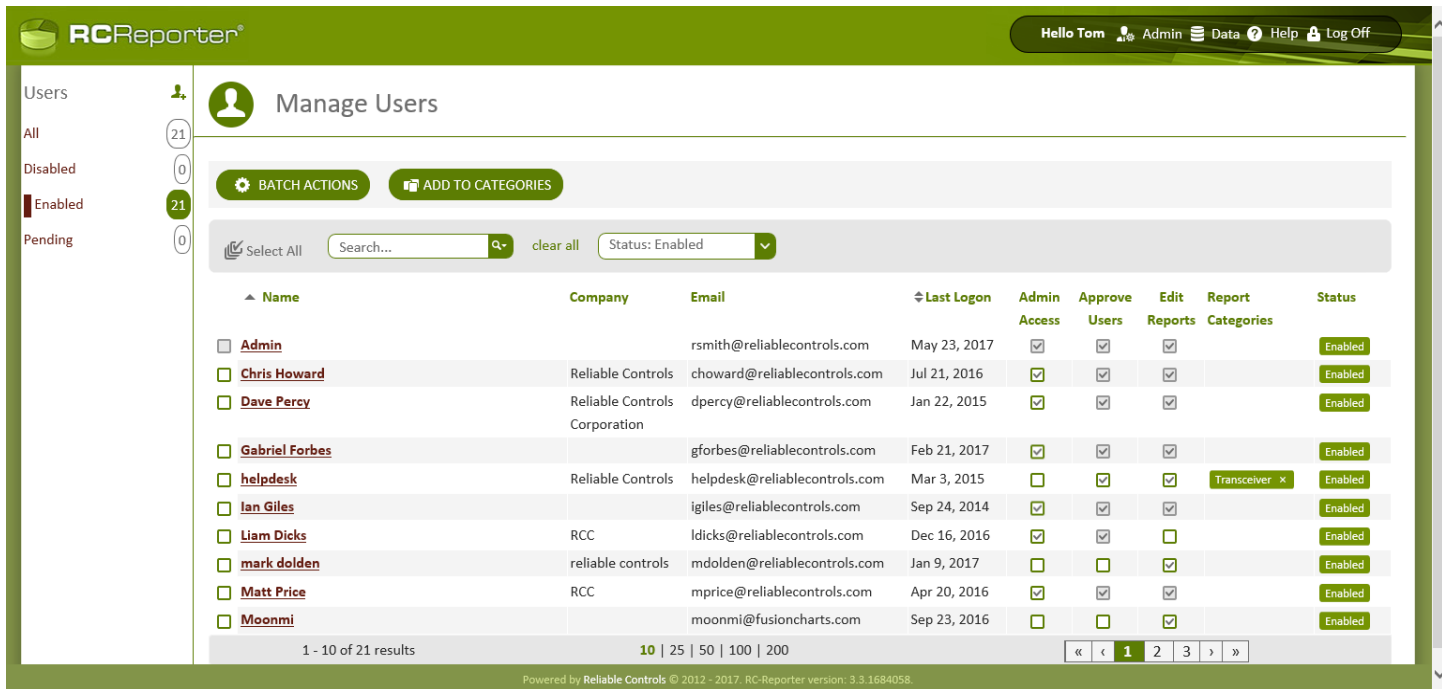
Title	Author	Categories	Created	Updated
<input type="checkbox"/> Sample #1 - RHQ Energy Performance	Admin	Samples x	Jan 1, 2014	Jan 14, 2014
<input type="checkbox"/> Sample #2 - Electrical Analysis	Admin	Samples x	Jan 14, 2014	Jan 16, 2014
<input type="checkbox"/> Sample #3 - AC Unit Report	Admin	Samples x	Aug 26, 2014	Dec 8, 2014

1 - 3 of 3 results 10 | 25 | 50 | 100 | 200

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Manage Reports menu showing Report Title, Author, Categories and Created and Updated Dates

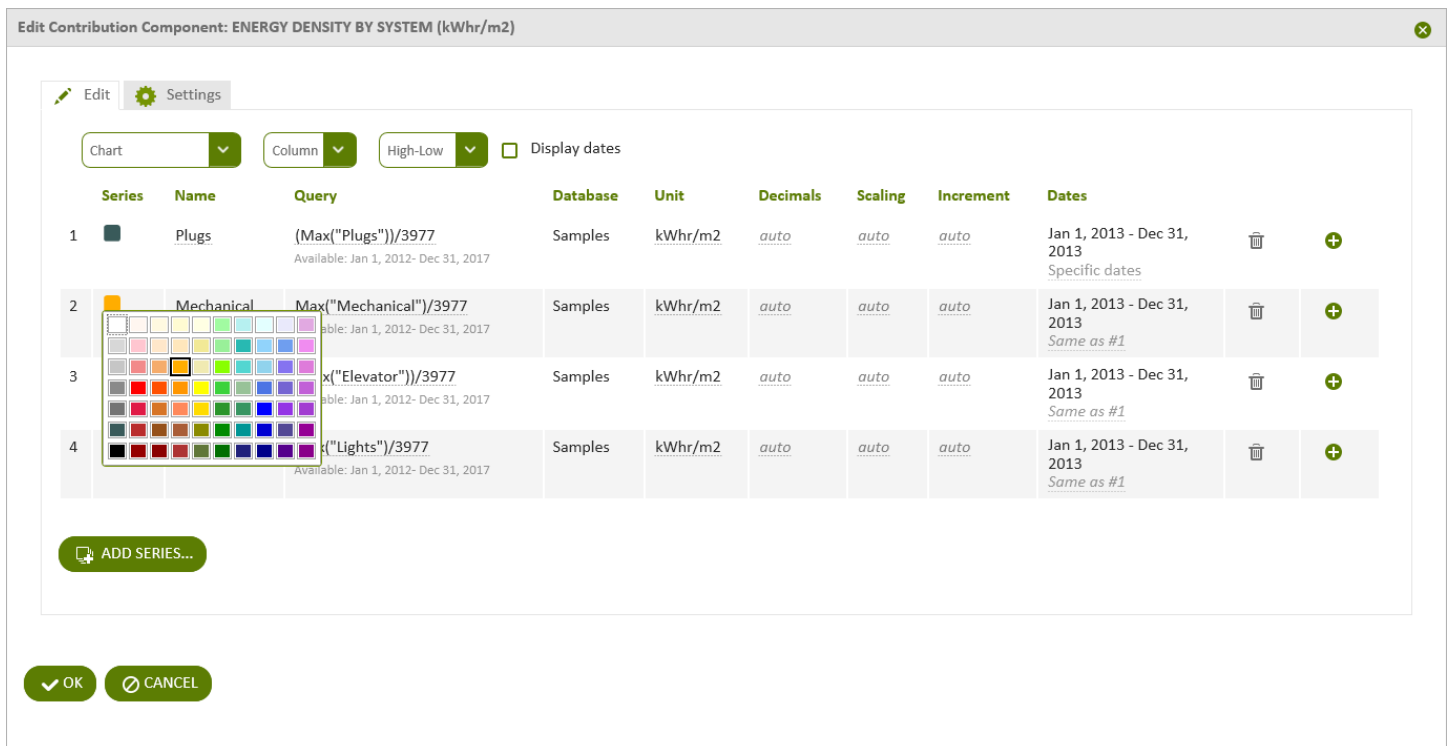
SCREEN CAPTURES



The screenshot shows the 'Manage Users' interface in RCReporter. The top navigation bar includes the 'Hello Tom' user profile, 'Admin', 'Data', 'Help', and 'Log Off' links. On the left, a sidebar lists 'Users' with counts: All (21), Disabled (0), Enabled (21), and Pending (0). The main content area has a 'Manage Users' title and two buttons: 'BATCH ACTIONS' and 'ADD TO CATEGORIES'. Below these is a search bar with 'Select All', a search input, a 'clear all' button, and a 'Status: Enabled' dropdown. A table lists users with columns: Name, Company, Email, Last Logon, Admin Access, Approve Users, Edit Reports, Report Categories, and Status. The table contains 10 rows of user data, including Admin, Chris Howard, Dave Percy, Gabriel Forbes, helpdesk, Ian Giles, Liam Dicks, mark dolden, Matt Price, and Moonmi. At the bottom, there is a pagination bar showing '1 - 10 of 21 results' and a footer note: 'Powered by Reliable Controls © 2012 - 2017. RC-Reporter version: 3.3.1684058.'

Name	Company	Email	Last Logon	Admin Access	Approve Users	Edit Reports	Report Categories	Status
Admin		rsmith@reliablecontrols.com	May 23, 2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Chris Howard	Reliable Controls	choward@reliablecontrols.com	Jul 21, 2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Dave Percy	Reliable Controls Corporation	dpercy@reliablecontrols.com	Jan 22, 2015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Gabriel Forbes		gforbes@reliablecontrols.com	Feb 21, 2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
helpdesk	Reliable Controls	helpdesk@reliablecontrols.com	Mar 3, 2015	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Transceiver x	Enabled
Ian Giles		igiles@reliablecontrols.com	Sep 24, 2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Liam Dicks	RCC	ldicks@reliablecontrols.com	Dec 16, 2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Enabled
mark dolden	reliable controls	mdolden@reliablecontrols.com	Jan 9, 2017	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Matt Price	RCC	mprice@reliablecontrols.com	Apr 20, 2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled
Moonmi		moonmi@fusioncharts.com	Sep 23, 2016	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Enabled

Manage Users menu showing Name, Company, Email, Last logon, and Access Details

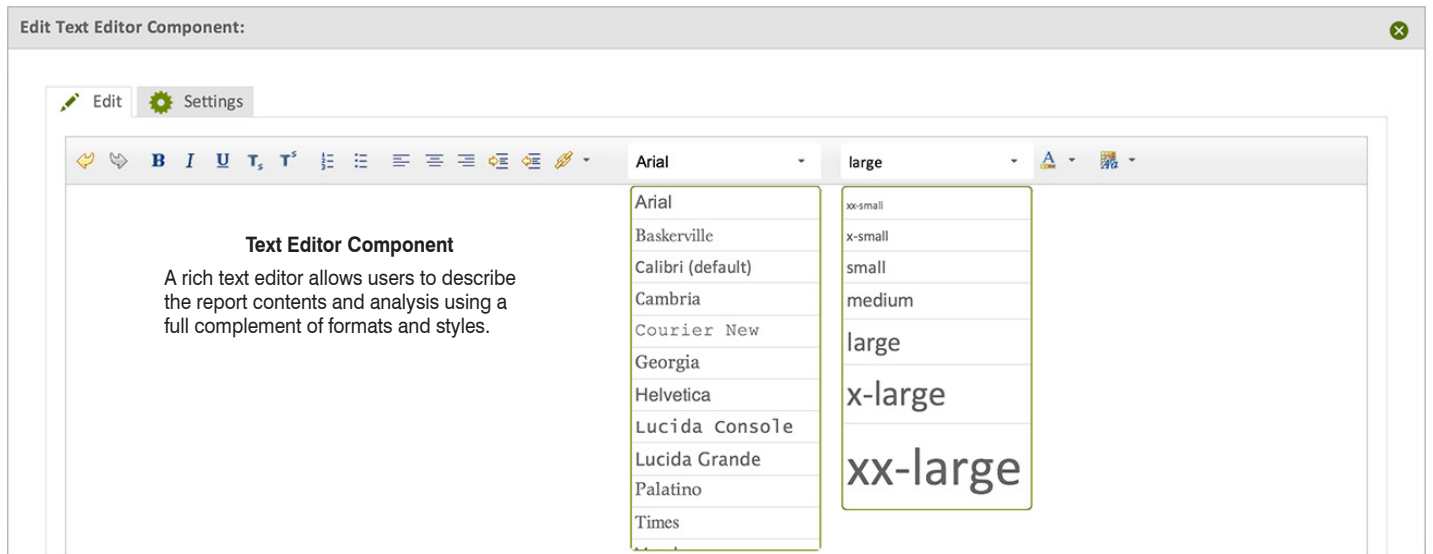


The screenshot shows the 'Edit Contribution Component: ENERGY DENSITY BY SYSTEM (kWhr/m2)' dialog. It has tabs for 'Edit' and 'Settings'. The 'Edit' tab is active, showing a table with columns: Series, Name, Query, Database, Unit, Decimals, Scaling, Increment, and Dates. There are four series listed: 1. Plugs, 2. Mechanical, 3. Elevator, and 4. Lights. Each series has a color-coded square next to its name. A color palette is visible over the 'Mechanical' series. At the bottom, there are 'ADD SERIES...', 'OK', and 'CANCEL' buttons.

Series	Name	Query	Database	Unit	Decimals	Scaling	Increment	Dates
1	Plugs	(Max("Plugs"))/3977 Available: Jan 1, 2012- Dec 31, 2017	Samples	kWhr/m2	auto	auto	auto	Jan 1, 2013 - Dec 31, 2013 Specific dates
2	Mechanical	Max("Mechanical")/3977 Available: Jan 1, 2012- Dec 31, 2017	Samples	kWhr/m2	auto	auto	auto	Jan 1, 2013 - Dec 31, 2013 Same as #1
3	Elevator	Max("Elevator")/3977 Available: Jan 1, 2012- Dec 31, 2017	Samples	kWhr/m2	auto	auto	auto	Jan 1, 2013 - Dec 31, 2013 Same as #1
4	Lights	Max("Lights")/3977 Available: Jan 1, 2012- Dec 31, 2017	Samples	kWhr/m2	auto	auto	auto	Jan 1, 2013 - Dec 31, 2013 Same as #1

Feature Rich Component Editing

SCREEN CAPTURES



Distribution Schedules allow users to email reports to any recipient list at any time or day, and customize the accompanying message.

Manage Distribution Schedules

Set Interval

Every
WEEKS

on
M
T
W
T
F
S
S
at
8:00 AM

Dealer Information: