Site Monitoring Solutions

CustardWare V6.5

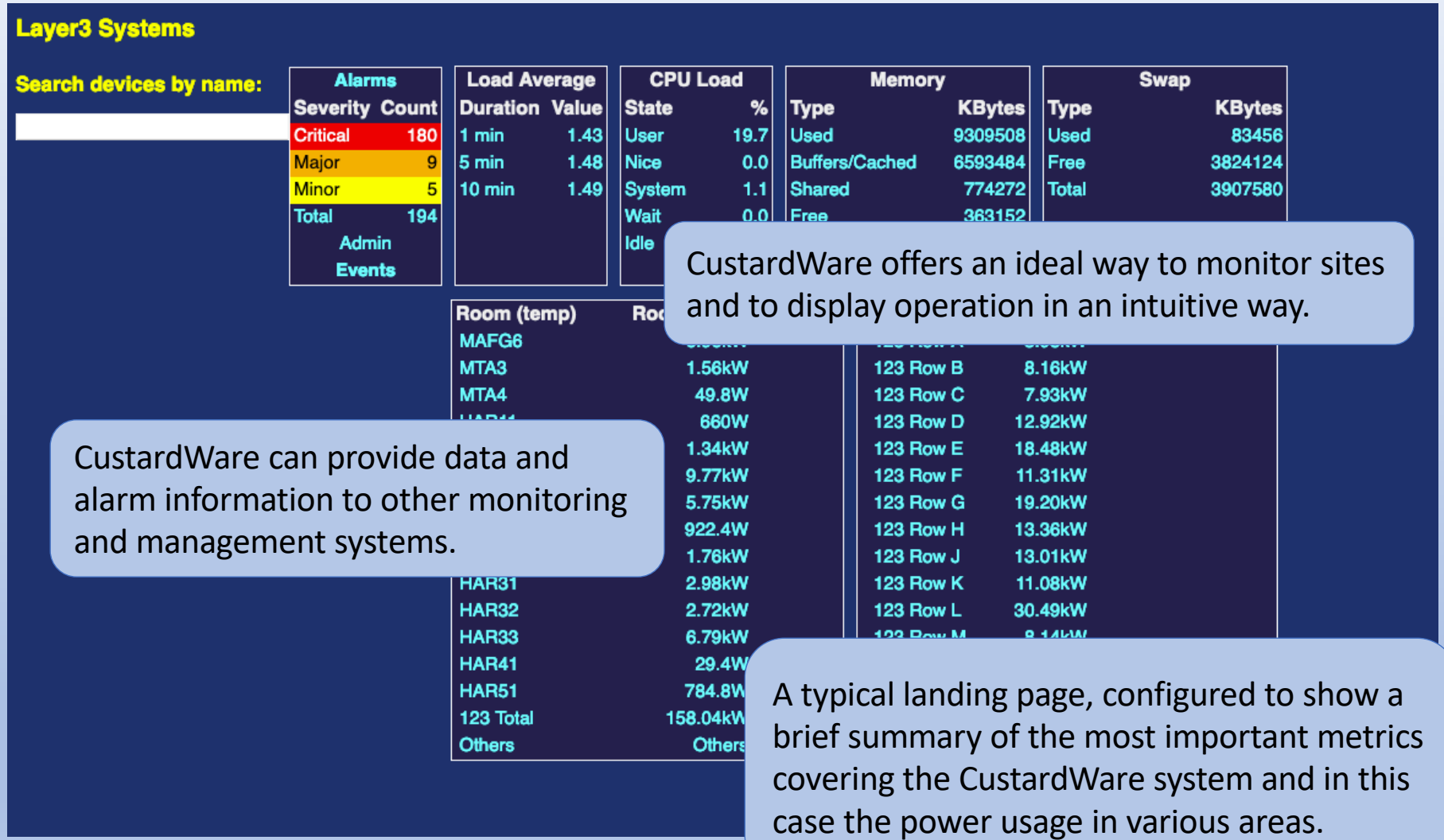
Regional broadcaster monitoring and reporting.

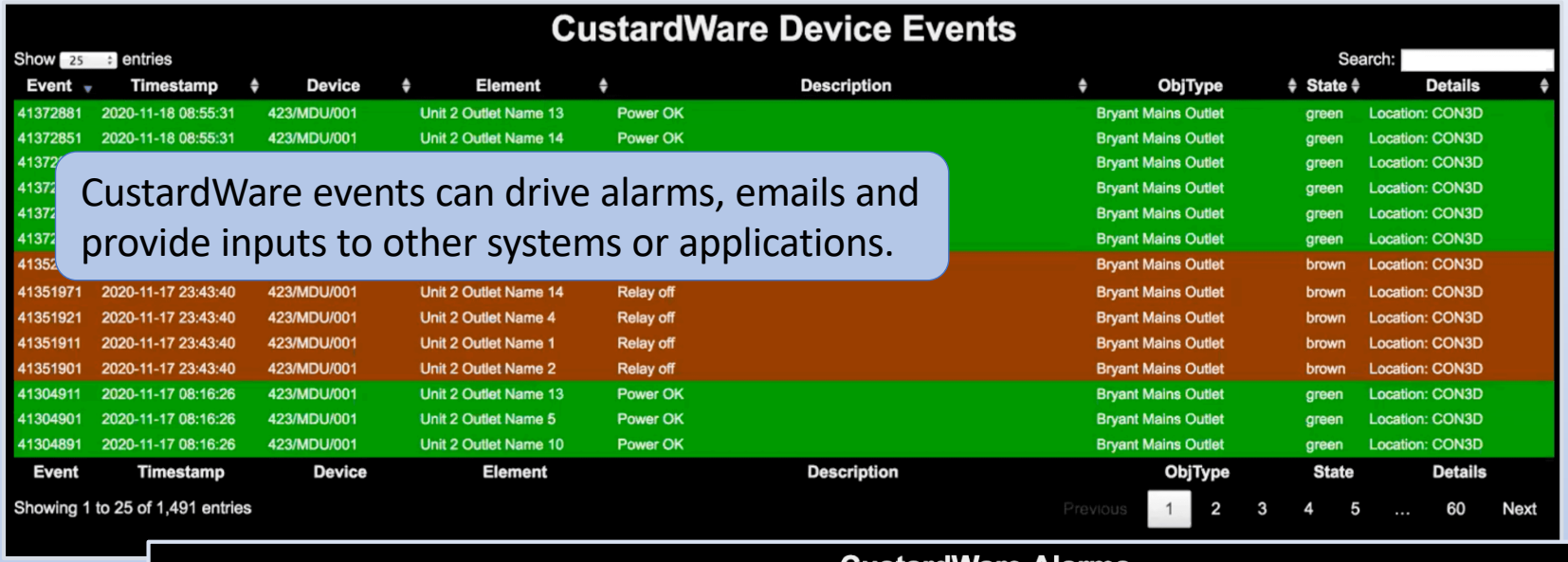
Site Monitoring Solutions

CustardWare is designed to support networks on remote sites and can integrate with other tools.

- Cost effective.
- Efficient, powerful and intuitive operation.
- Flexible and highly customizable.
- Managed service reduces hidden staff costs.
- Fast delivery and excellent support

"We didn't understand what was happening until we installed CustardWare." *Head of Broadcast* – Regional Broadcaster





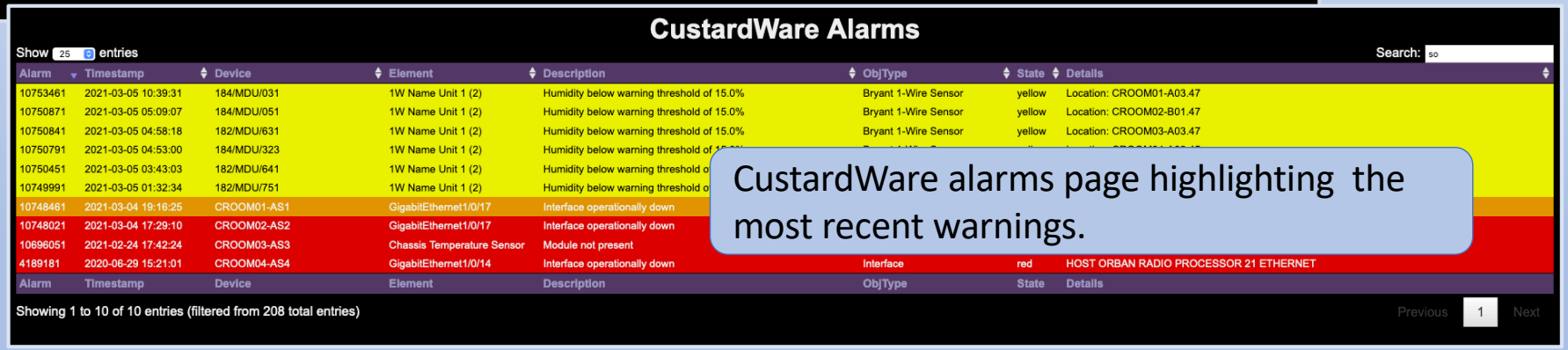
CustardWare Device Events

Show 25 entries Search:

Event	Timestamp	Device	Element	Description	ObjType	State	Details
41372881	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41372851	2020-11-18 08:55:31	423/MDU/001	Unit 2 Outlet Name 14	Power OK	Bryant Mains Outlet	green	Location: CON3D
4137					Bryant Mains Outlet	green	Location: CON3D
4137					Bryant Mains Outlet	green	Location: CON3D
4137					Bryant Mains Outlet	green	Location: CON3D
4137					Bryant Mains Outlet	green	Location: CON3D
4135					Bryant Mains Outlet	brown	Location: CON3D
41351971	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 14	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351921	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 4	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351911	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 1	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41351901	2020-11-17 23:43:40	423/MDU/001	Unit 2 Outlet Name 2	Relay off	Bryant Mains Outlet	brown	Location: CON3D
41304911	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 13	Power OK	Bryant Mains Outlet	green	Location: CON3D
41304901	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 5	Power OK	Bryant Mains Outlet	green	Location: CON3D
41304891	2020-11-17 08:16:26	423/MDU/001	Unit 2 Outlet Name 10	Power OK	Bryant Mains Outlet	green	Location: CON3D
Event	Timestamp	Device	Element	Description	ObjType	State	Details

Showing 1 to 25 of 1,491 entries Previous 1 2 3 4 5 … 60 Next

CustardWare events can drive alarms, emails and provide inputs to other systems or applications.



CustardWare Alarms

Show 25 entries Search: so

Alarm	Timestamp	Device	Element	Description	ObjType	State	Details
10753461	2021-03-05 10:39:31	184/MDU/031	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM01-A03.47
10750871	2021-03-05 05:09:07	184/MDU/051	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM02-B01.47
10750841	2021-03-05 04:58:18	182/MDU/631	1W Name Unit 1 (2)	Humidity below warning threshold of 15.0%	Bryant 1-Wire Sensor	yellow	Location: CROOM03-A03.47
10750791	2021-03-05 04:53:00	184/MDU/323	1W Name Unit 1 (2)	Humidity below warning threshold of			
10750451	2021-03-05 03:43:03	182/MDU/641	1W Name Unit 1 (2)	Humidity below warning threshold o			
10749991	2021-03-05 01:32:34	182/MDU/751	1W Name Unit 1 (2)	Humidity below warning threshold o			
10748461	2021-03-04 19:16:25	CROOM01-AS1	GigabitEthernet1/0/17	Interface operationally down			
10748021	2021-03-04 17:29:10	CROOM02-AS2	GigabitEthernet1/0/17	Interface operationally down			
10696051	2021-02-24 17:42:24	CROOM03-AS3	Chassis Temperature Sensor	Module not present			
4189181	2020-06-29 15:21:01	CROOM04-AS4	GigabitEthernet1/0/14	Interface operationally down	Interface	red	HOST ORBAN RADIO PROCESSOR 21 ETHERNET
Alarm	Timestamp	Device	Element	Description	ObjType	State	Details

Showing 1 to 10 of 10 entries (filtered from 208 total entries) Previous 1 Next

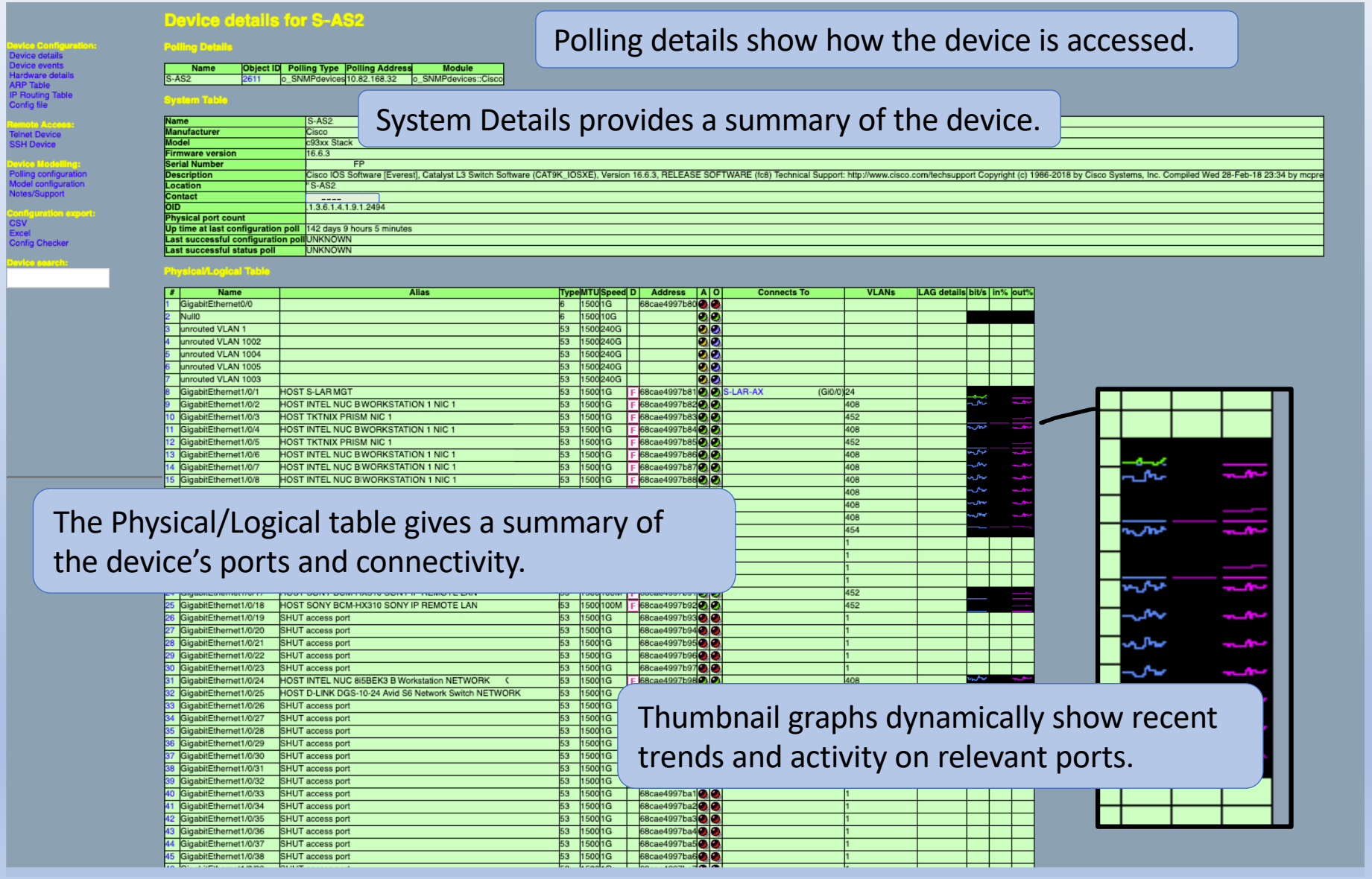
CustardWare alarms page highlighting the most recent warnings.

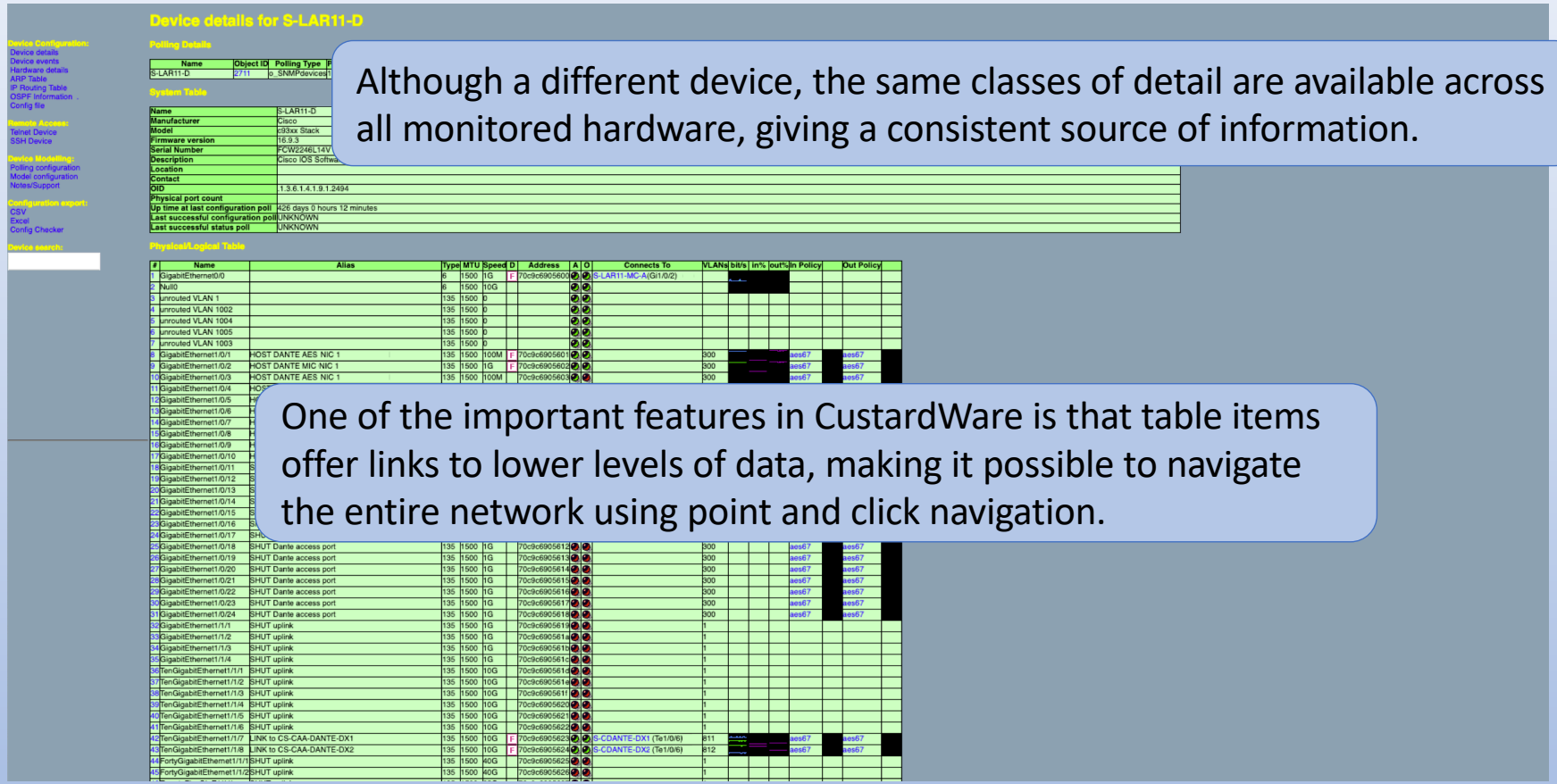
Polling details show how the device is accessed.

System Details provides a summary of the device.

The Physical/Logical table gives a summary of the device's ports and connectivity.

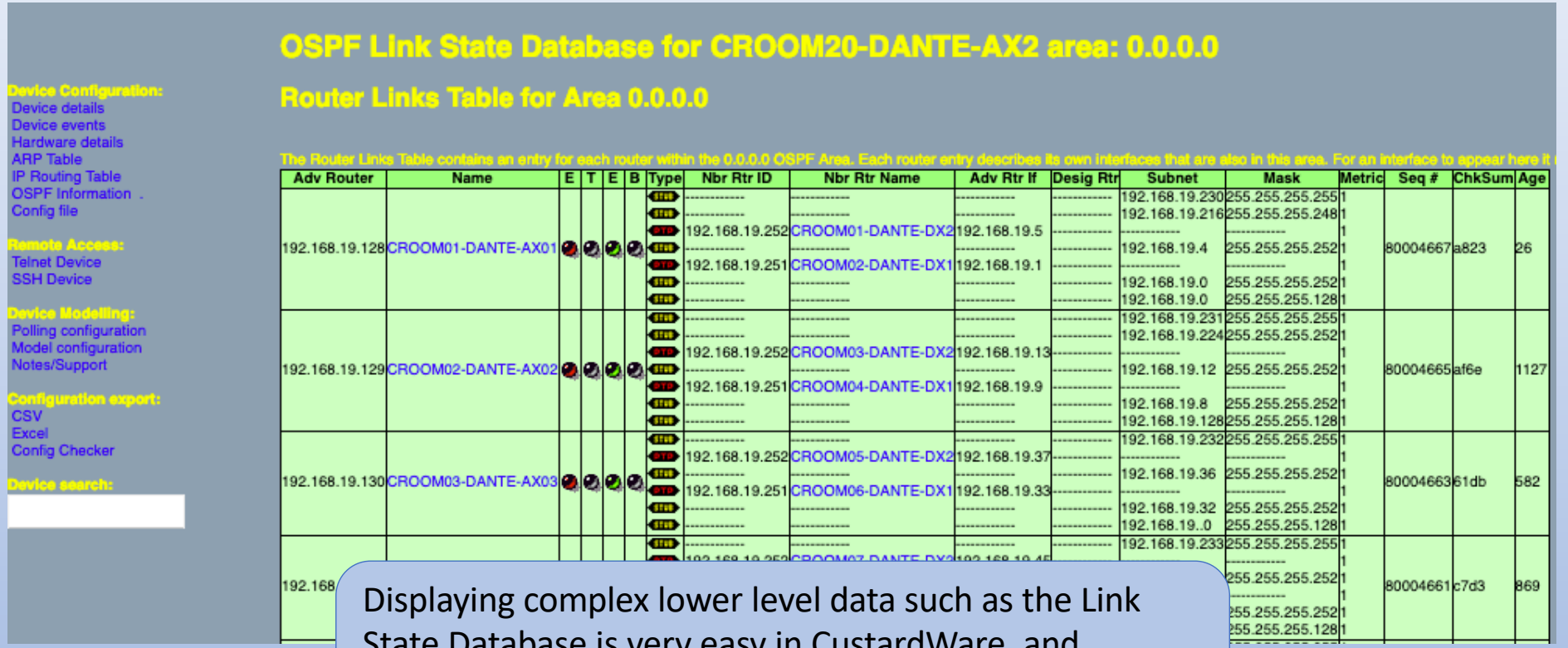
Thumbnail graphs dynamically show recent trends and activity on relevant ports.



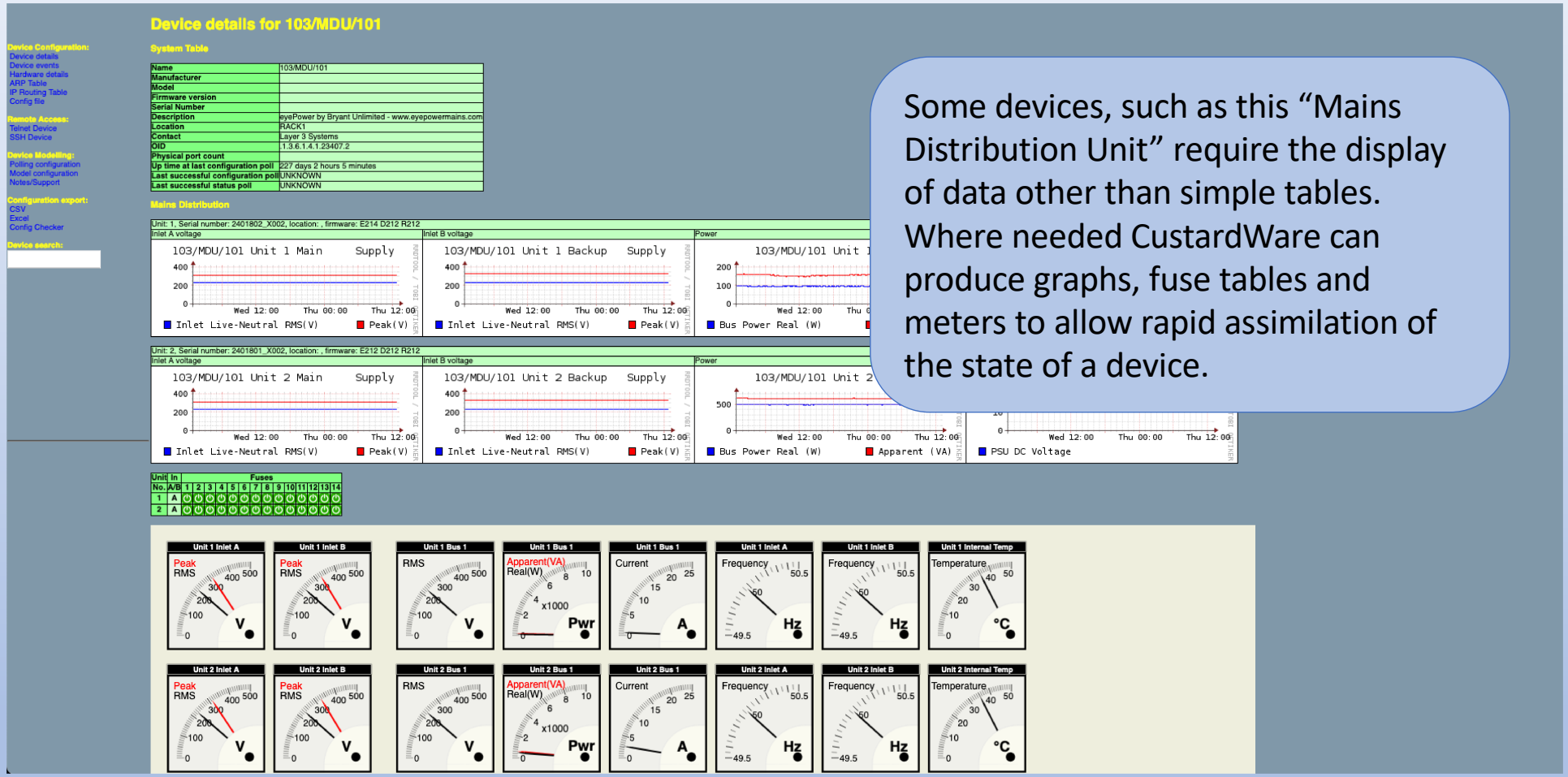


Although a different device, the same classes of detail are available across all monitored hardware, giving a consistent source of information.

One of the important features in CustardWare is that table items offer links to lower levels of data, making it possible to navigate the entire network using point and click navigation.



Displaying complex lower level data such as the Link State Database is very easy in CustardWare, and jumping to another part of the table on another device is just a click away.



Some devices, such as this “Mains Distribution Unit” require the display of data other than simple tables. Where needed CustardWare can produce graphs, fuse tables and meters to allow rapid assimilation of the state of a device.

Monitor point thresholds for Unit 1 Bus 1

Show events

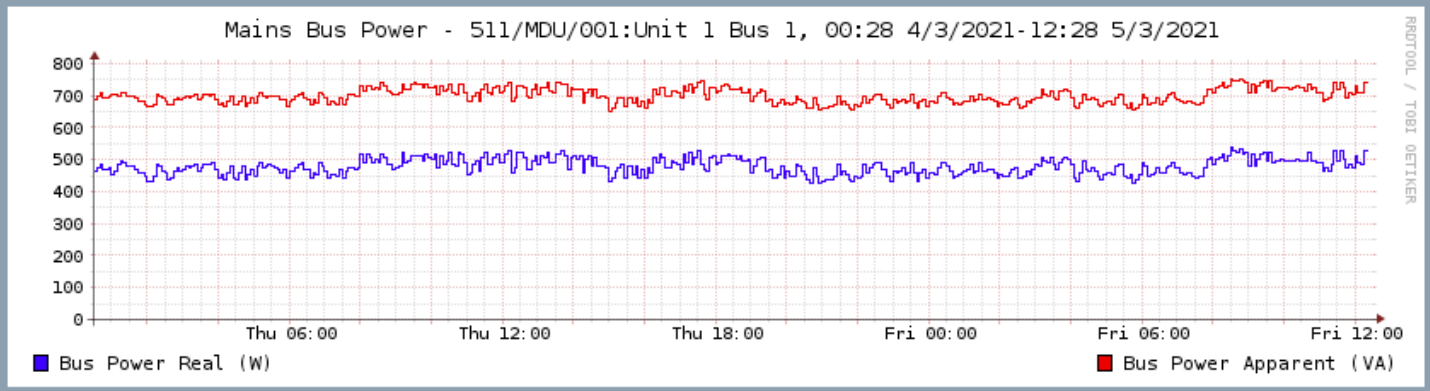
- Bus power monitor
- Bus current monitor
- Bus power monitor inletA
- Bus voltage monitor
- Bus power monitor inletB

Setting monitor point thresholds for alerts is a simple matter of adding values into configuration tables.

Bus power monitor

Parameter	Value	Default
Enabled	Yes	Yes
Critical High Threshold (kW)	10	10
Warning Low Threshold (kW)	-1	-1
Warning High Threshold (kW)	8	8
Critical Low Threshold (kW)	-1	-1

Set | Reset to defaults



Bus power monitor | Add to group

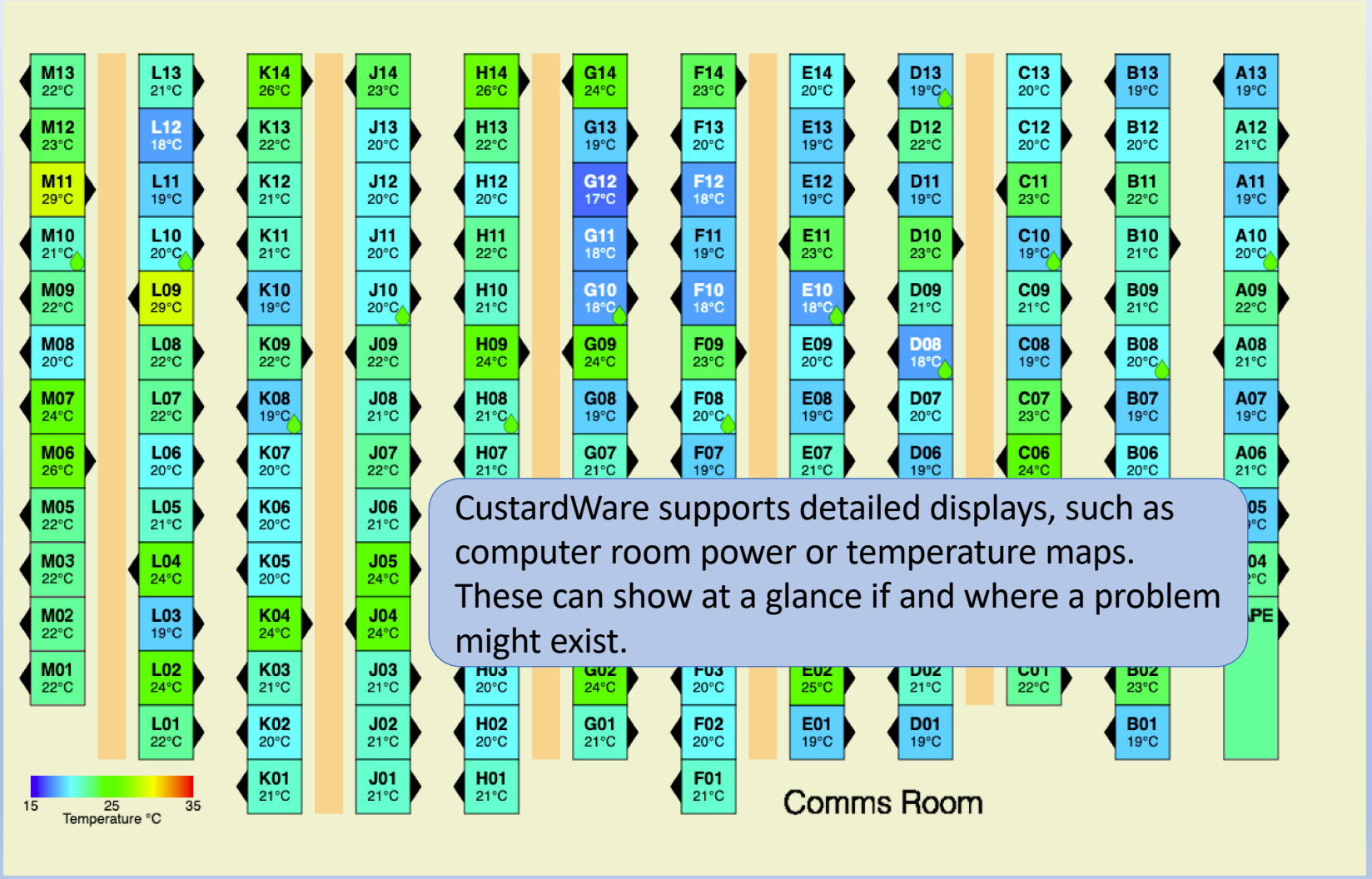
CustardWare Object Events

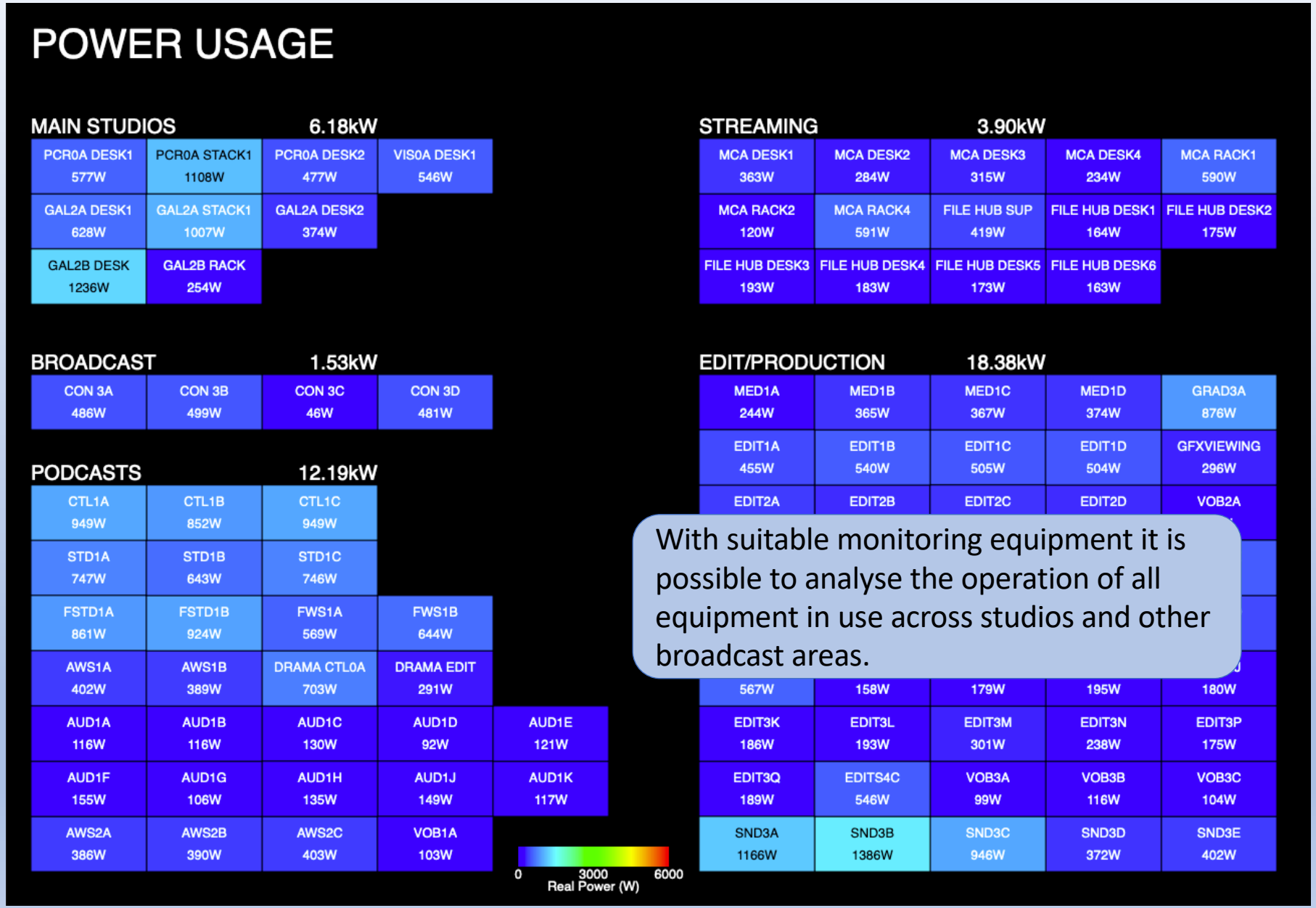
Show 25 entries Search:

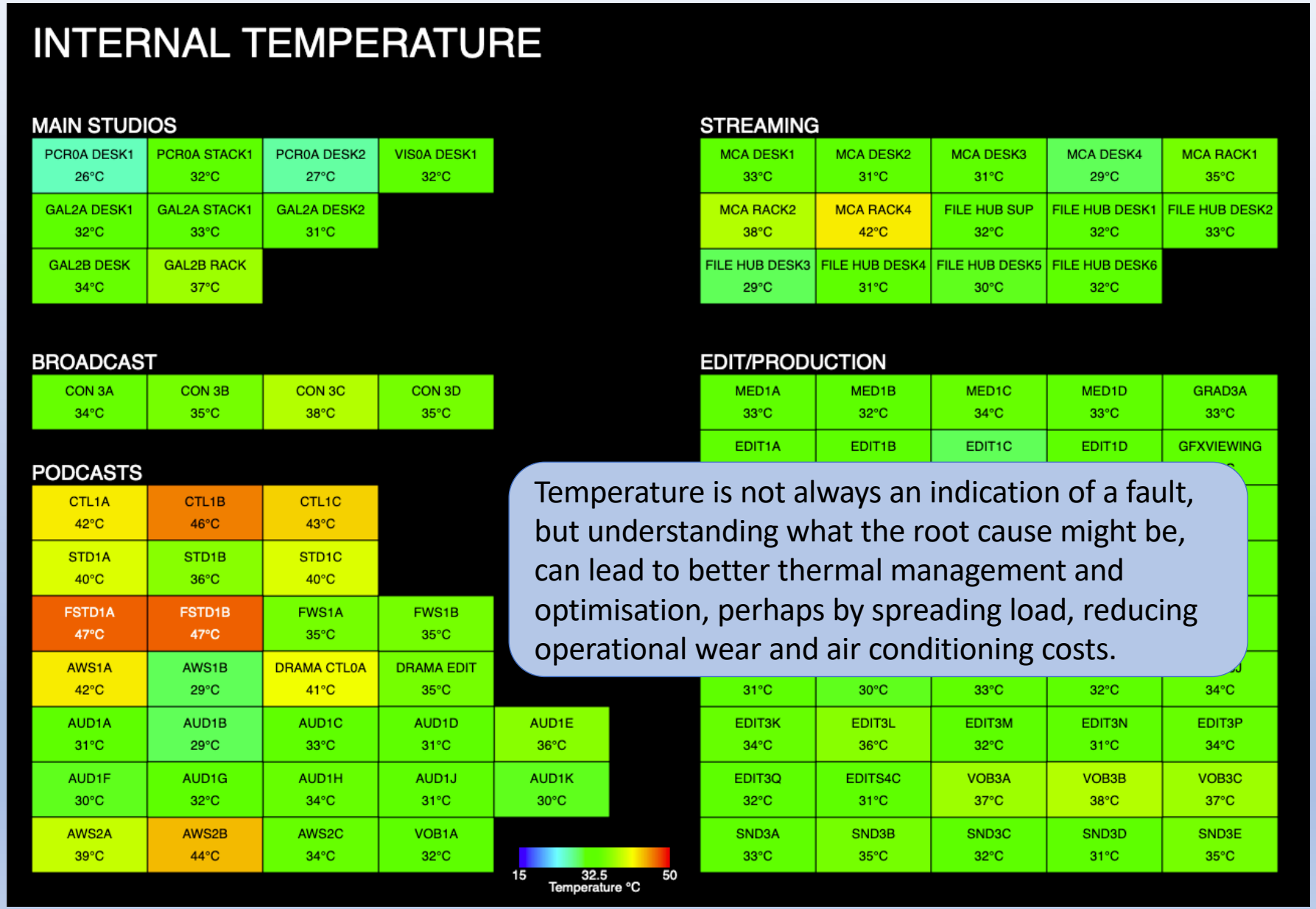
Event	Timestamp	Device	Element	Description	ObjType	State	Details
43508501	2020-12-09 02:56:01	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43505101	2020-12-09 02:54:23	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
43497821	2020-12-09 02:44:38	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43497411	2020-12-09 02:44:17	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
43479991	2020-12-09 02:20:37	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
43479371	2020-12-09 02:19:02	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
39247571	2020-10-18 02:30:44	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
39209361	2020-10-18 01:55:08	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
37409591	2020-09-02 01:13:44	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
37409421	2020-09-02 00:58:39	423/MDU/001	423/MDU/001	System Uptime < 30mins (agent restart/reboot)	SNMP device	yellow	Location: CON3D
37409071	2020-09-02 00:43:19	423/MDU/001	423/MDU/001	System Uptime < 15mins (agent restart/reboot)	SNMP device	orange	Location: CON3D
34909021	2020-06-25 09:43:05	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
34908551	2020-06-25 09:40:56	423/MDU/001	423/MDU/001	Not Contactable	SNMP device	red	Location: CON3D
34799071	2020-06-23 09:06:42	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	Location: CON3D
34798331	2020-06-23 09:02:41	423/MDU/001	423/MDU/001	System Uptime < 30mins (agent restart/reboot)	SNMP device	yellow	Location: CON3D
34797891	2020-06-23 09:02:04	423/MDU/001	423/MDU/001	Polling normal	SNMP device	green	
Event	Timestamp	Device	Element	Description	ObjType	State	Details

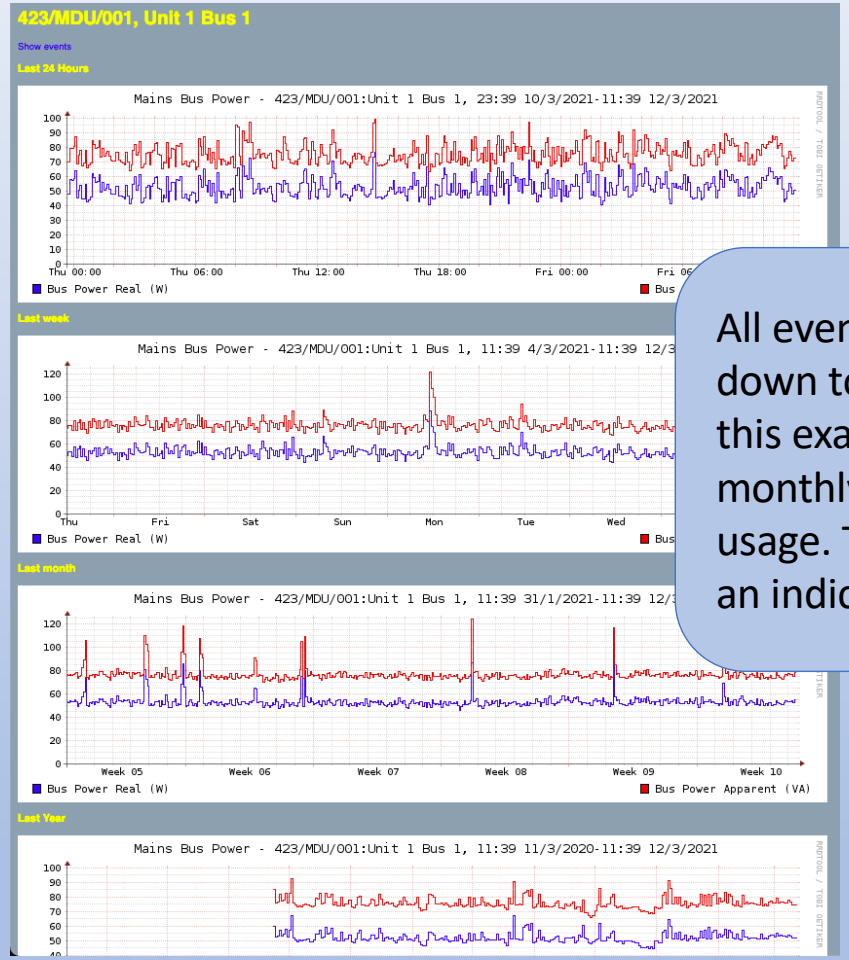
Showing 1 to 16 of 16 entries Previous 1 Next

After setting monitoring point thresholds the system can then generate “Events”. Those events that cross warning or critical thresholds will eventually turn into “Alarms”.









All events, alarms and displays allow you to drill down to look at the detail of what is going on. In this example it is apparent from the weekly and monthly displays that there are spikes on mains usage. They may well be harmless, or they may be an indication of loss of power elsewhere!

Any Questions?

- We would be pleased to answer questions and explore possible use cases:
  - email vivg@layer3.co.uk
  - or call 0208 769 4484.
- Please contact us directly if you have more in depth questions or would like to discuss requirements or ideas in more detail.
- Demonstrations can be arranged at your request…

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