



“

The shift engineer walked into the plant room and panicked when he noticed there was no chiller activity. He said he hadn't seen them off in 6 years of working on site.

”

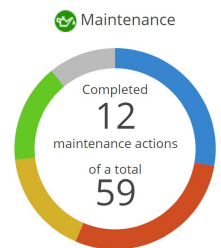
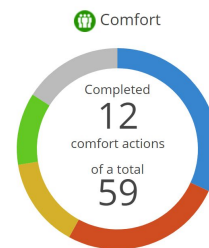
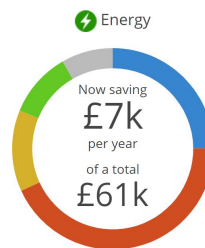
**Ben Kingsnorth,**  
Energy and Environment  
Project manager,  
Standard Chartered bank

### Installing Demand Logic at Standard Chartered Bank

The headquarters of Standard Chartered Bank in London contains 200,000 ft<sup>2</sup> of office floor space and an energy spend of approximately £610,000. With a commitment to responsible business practices and targets for reducing its carbon emissions, as well as a drive to reduce costs, Demand Logic installed in May 2017.

#### Key points as of December 2017:

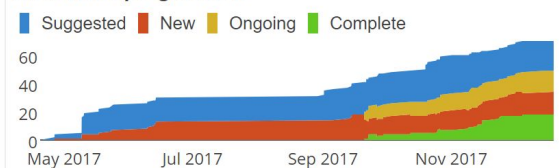
- Standard Chartered Bank HQ have had a reduction of 10% already on energy spend
- Chillers are running to a proper demand schedule
- Discovery of several Fan Coil Units (FCU's) that are faulty that the Building Management System (BMS) says is working fine.
- The platform is now used to check contractor performance and provide a list of uncommissioned / poorly commissioned kit.



#### Actions metrics

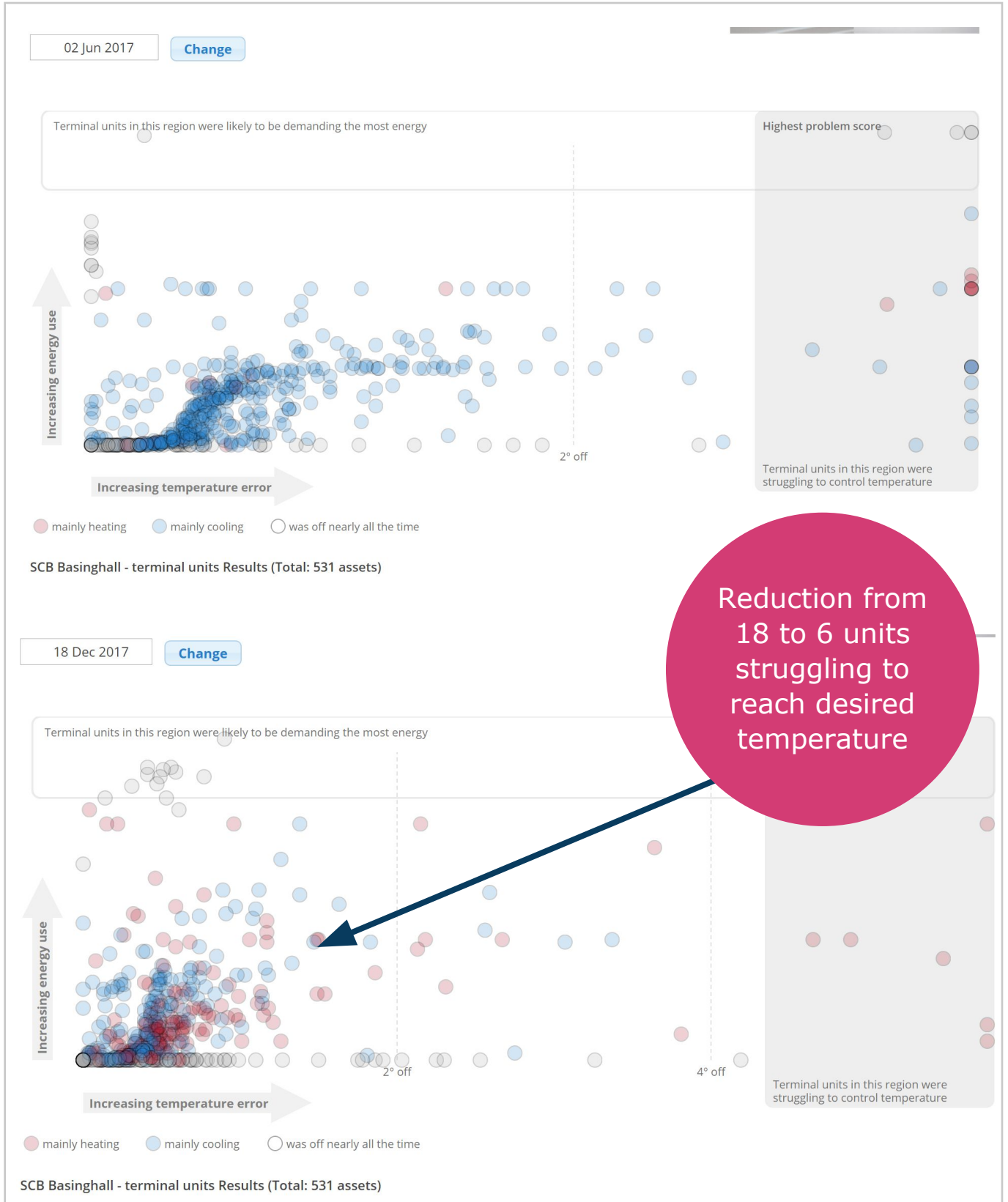
		M	J	J	A	S	O	N
▼ Raised	13	█	█	█	█	█	█	█
▼ Closed	11	█	█	█	█	█	█	█
▼ Completed this month, within 30 days	64%	█	█	█	█	█	█	█
▼ Completed this month, after 30 days	36%	█	█	█	█	█	█	█
▼ Updated this month, but incomplete within 30 days	19	█	█	█	█	█	█	█

#### All actions progression



# Reducing out of hours operation

Terminal unit Rogue Finder illustrates the effect of implementing condition based maintenance



# Improved comfort through better issue visibility

Tuesday 13 June 2017

Hot spaces

51

On average, 51 spaces were hotter than 25°C during occupied times

Cold spaces

25

On average, 25 spaces were colder than 21°C during occupied times

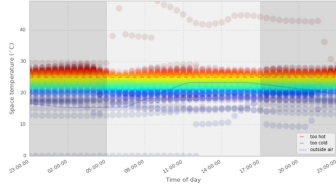
Comfortable

422

On average, 422 spaces were between 21°C and 25°C during occupied times

Thermal profile over time

Look for excessive dark red or blue areas above or below the dotted lines. These indicate times when many spaces were at an uncomfortable temperature. Each temperature sample is shown as a pale circle in a hot or cold colour, depending on the temperature.



Tuesday 19 December 2017

Hot spaces

21

On average, 21 spaces were hotter than 25°C during occupied times

Cold spaces

26

On average, 26 spaces were colder than 21°C during occupied times

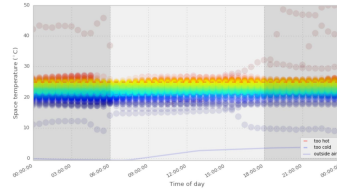
Comfortable

453

On average, 453 spaces were between 21°C and 25°C during occupied times

Thermal profile over time

Look for excessive dark red or blue areas above or below the dotted lines. These indicate times when many spaces were at an uncomfortable temperature. Each temperature sample is shown as a pale circle in a hot or cold colour, depending on the temperature.



29 more comfortable spaces

## Table of cold spaces

Export Show 10 entries Search:

Terminal unit / sensor	Device address	Ave temp	Min temp	Max temp	Lost productivity	Profile
12 FCU LG-02	L5012	14.3	9.8	15.9	31.0	
16 L-Gnd FCU 04	L5016	17.1	16.1	20.1	18.1	
45 Gnd FCU 32	L8045	17.6	17.6	17.7	15.4	
17 L-Gnd FCU 05	L5017	17.8	16.7	18.5	14.7	
33 L9 FCU 21	L16033	17.8	17.7	17.9	14.8	
26 L9 FCU 14	L16026	18.2	18.0	18.4	13.0	
24 Gnd FCU 11	L8024	18.5	18.2	19.0	11.3	
22 L10 FCU 10	L6022	18.9	18.6	19.4	9.4	
46 L1 FCU 34	L9046	19.3	18.2	20.3	7.8	
32 Gnd FCU 19	L8032	19.5	19.1	20.1	6.6	

filter filter filter filter filter filter filter

Showing 1 to 10 of 500 entries First Previous 1 2 3 4 5 ... 50 Next Last



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