THE PROMISE OF HEALTHY BUILDING
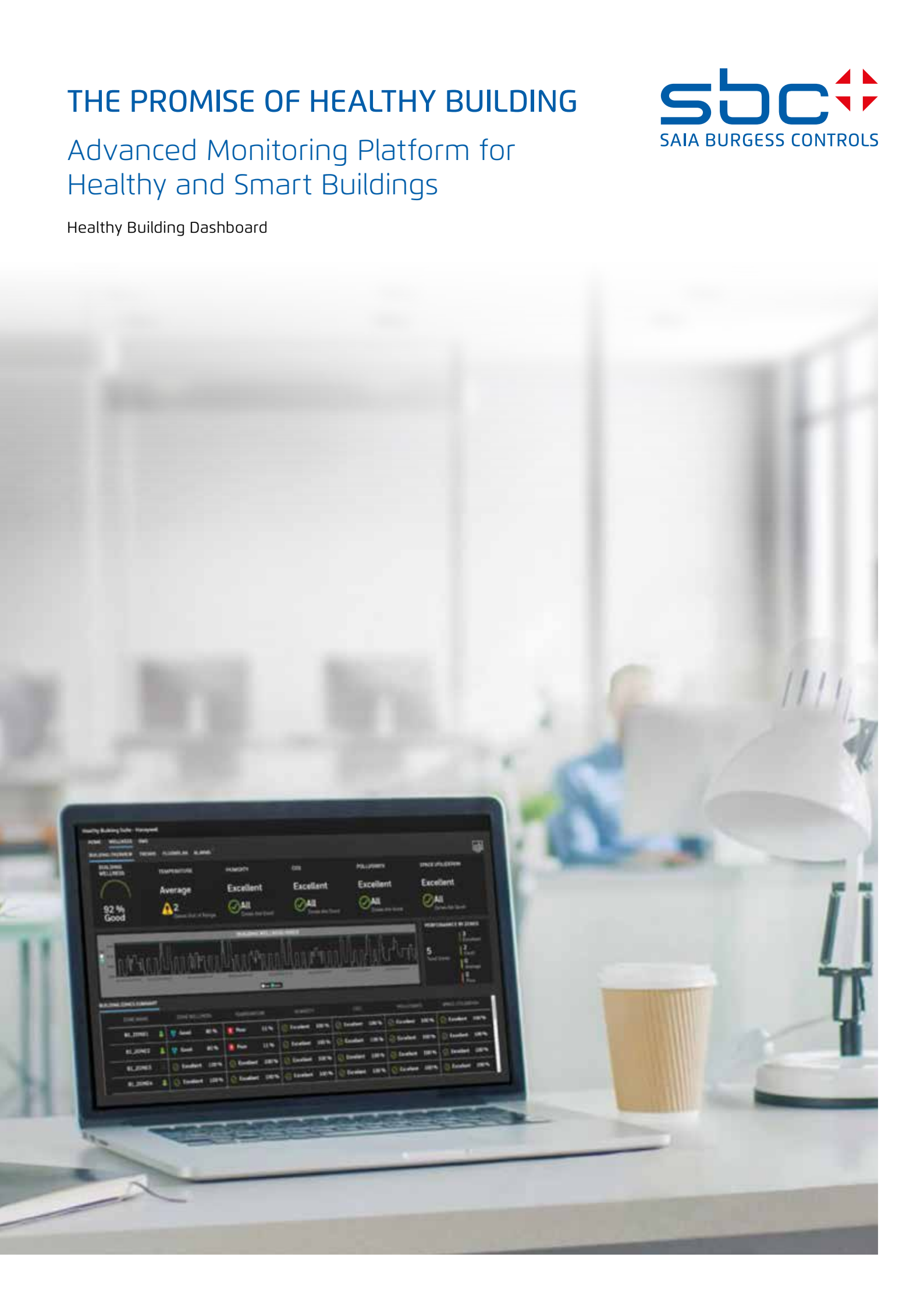
Advanced Monitoring Platform for Healthy and Smart Buildings

Healthy Building Dashboard

sbc
SAIA BURGESS CONTROLS

Take building health to the next level

The current pandemic situation is changing the way how buildings are managed by ensuring health and well-being in all aspects of our lives. The new era of Healthy buildings goes beyond just energy efficiency to ensure the health, comfort, confidence and productivity of occupants.

SBC's Healthy Building Dashboard is handcrafted to provide an ability to monitor wellness of buildings and it's zones through multiple graphical representation to building owners and occupants.

FEATURES AND BENEFITS

ASHRAE

Constructed as per the latest ASHRAE guidelines and standards.

STOP   WAIT   GO

Help occupants to assess their decision at the time of entry in building.

niagara⁴

Keen monitoring and analyzing building wellness data using Niagara platform (N4.3 and above).

Assist building owners to demonstrate confidence within occupants about indoor environment.

Aid to take actions as per monitored wellness index of building, for a healthier building environment.

Historical data of building wellness and various parameters help to improvise health in BMS.

HTML5

Based on HTML5 technology to allow users to view the dashboard in many HTML5 compatible web browsers.

Designed to use as a standard solution as well as customized solution with respect to sensors, inputs, or desired theme.

Reads various types of sensors output like Temperature (T), Humidity (H), Carbon Dioxide (CO_2), etc. to calculate Building Wellness Index.

Know it's safe
Show it's safe

SBC's Healthy Buildings Dashboard provides the ability to monitor the functionality of the building and it's zones through graphical representation. It is designed in a way to use as a stand-alone solution as well as a customised solution to fit the user's specific needs.

A graphical, informative view as per zones of the Healthy Building Dashboard assures occupants with visible, transparent data on the health of the building.

▶ **Building Wellness Index**: Represents all parameters (sensors) of all zones with three ways.
1) Curve with varying colour as per its value (Red to dark green: 0-100%)
2) Percentage or set value
3) Health grade: Poor, Average, Good, Excellent.

▶ **BMS:** Integration of Building Management System (BMS) with Healthy Building Dashboard to make necessary changes in BMS settings according to dashboard.

▶ **TRENDS:** Historical analysis of each wellness index of building and zones to analyse the behaviour of each zone and compare them with other zones.

▶ **FLOOR PLAN:** Pictorial representation of each zone floor plan with combined Wellness Index Gradient and Thermal Gradient for quick visuals.

▶ **ALARMS:** Indicates Building Wellness Index which are not in range. Details of alarm can be emailed to building owners or facility managers to act quickly.

▶ **Wellness Index of Building:** Indicates values for parameters like Temperature (T), Humidity (H), Carbon Dioxide (CO_2), Pollutants (PM2.5, TVOC), and Space Utilisation are shown with:
1) Health grade: Poor, Average, Good, Excellent
2) Alarm/OK indication with varying colour as per its value
3) Count of zones which are out of range.

Healthy Building Suite - Honeywell

HOME   WELLNESS   BMS
BUILDING OVERVIEW   TRENDS   FLOORPLAN   ALARMS

BUILDING WELLNESS	TEMPERATURE	HUMIDITY	CO2	POLLUTANTS	SPACE UTILIZATION
92 % Good	Average ⚠ 2 Zones Out of Range	Excellent ✓ All Zones Are Good	Excellent ✓ All Zones Are Good	Excellent ✓ All Zones Are Good	Excellent ✓ All Zones Are Good

BUILDING WELLNESS INDEX

PERFORMANCE BY ZONES

5 Total Zones

3 Excellent
2 Good
0 Average
0 Poor

BUILDING ZONES SUMMARY

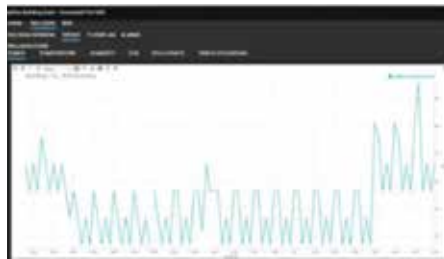| ZONE NAME		ZONE WELLNESS		TEMPERATURE		HUMIDITY		CO2		POLLUTANTS		SPACE UTILIZATION	
B1_ZONE1	👤	▽ Good	80 %	■ Poor	11 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %
B1_ZONE2	👤	▽ Good	80 %	■ Poor	11 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %
B1_ZONE3		✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %
B1_ZONE4	👤	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %	✓ Excellent	100 %

▶ Live chart of Building Wellness Index to compare between ideal and live value of the wellness index.

▶ Zone level summary with zone performance can be quickly monitored and analysed for all parameters.

▶ Total number of zones and their performance wise distribution to quickly identify how many numbers of zones are in which state.

SBC's response to new normal

ZONE BASED CALCULATION:

Zone is an area with multiple number of rooms or corridors with set of various sensors (T, H, CO_2, PM2.5, TVOC and Space utilisation). Pictorial presentation of each zone floor plan with combined Wellness Index Gradient and Thermal Gradient for quick visual impact to provide quick decision making to each occupant and to take fast actions by facility manager.

TRENDS:

History or Trends are associated with each parameter and wellness indices.

▶ Histories can be compared for various zones as per parameter.

▶ Actions can be taken based on historical data of any zone or any parameter.

APPLICABLE TO ALL TYPES OF BUILDINGS:

SBC's Healthy Building Dashboard is compatible to all types of buildings with existing or new BMS like Offices, Government and Commercial Buildings, Schools, Colleges and Universities, Healthcare Premises, Shopping Centres, Hospitality, Industrial Premises.

ALARMS:

▶ A wellness alarm class can be assigned to all parameters.

▶ All wellness related alarms can be viewed through separate wellness console.

EXPORT:

Print or export all charts and graphs to PDF and/or Excel spreadsheets.

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