Access Control & Sustainability

With options that reduce overall energy and resources consumption, as well as materials that produce little to no waste, the physical access control market is signaling a shift in how design and functionality can better serve generations to come.

1 Big Driver Behind the Sustainability Wheel

Social consciousness

33% of consumers reported choosing to buy and support brands they believe are doing social or environmental good

53% of consumers in the United Kingdom

78% in the United States

said they feel better when they buy products that are sustainably produced

Study by Unilever, 2017

By 2018, respondents projected that more than 60% of building projects would be "green," with activity in institutional buildings expected to increase year over year.

- U.S. Green Building Council and World Green Building Trends Report, 2016

2 Opportunities to Look at Sustainability Efforts

By applying sustainable construction and design practices for new builds and/or during facility upgrades, organizations can align their initiatives with those that lead the green building movement.

Reducing Energy Consumption	84%
Encouraging Sustainable Business Practices	68%
Ability to Support the Domestic Economy	50%
Create a Sense of Community	50%
Increase Worker Productivity	50%

- U.S. Green Building Council and World Green Building Trends Report, 2016

5 Ways to lower your carbon footprint using access control

Start reducing waste and conserving energy by upgrading facilities systems already in use. Here are five ways that physical access control solutions can help:

1 Link Access Control with Building Management Systems

The intelligent building market is growing **31%** annually and is expected to exceed **$59B** by **2023.**

- Edith Cowan University Research, Perth, Australia

Building automation integration, such as linking access control with building management systems with heating/cooling systems and lighting control can have a lasting impact on an organization's energy usage.

2 Combine Electronic Access Control and Location Services

In **2017, 27%** of access control equipment shipments (including readers, door controllers and electronic locks) were installed and connected to a building management system.

- IHS Markit, 2018 Smart Buildings Report

Physical access control manufacturers like HID Global offer Building Occupancy Management services that provides actionable occupancy data. Gain a clearer picture of how a building is being used and when and where services like HVAC and lighting can be adjusted for energy efficiency and cost savings.

3 Look for Certifications and Transparency

GreenCircle™
An independent, third-party validation for sustainability claims

Environmental Product Declaration (EPD)
A standardization of material disclosure and impact (but not a certification)

LEED Certification Contribution
Internationally accepted benchmark for green buildings

Zero Waste to Landfill Certification
Recognizes a company's efforts to divert waste from a landfill through increased reuse, recycling or recovery efforts

Investing in physical access control solutions that are certified to contribute to green building initiatives or aim to reduce waste can help lower an organization's carbon footprint.

4 Utilize Power Management

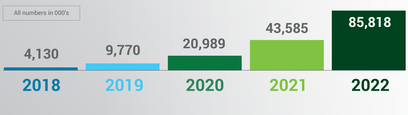
Look for access control readers that have the built-in option to enter power saving mode. Utilize these readers where there is less traffic and configure to enter intelligent power mode (IPM) when not in use.

HID iCLASS SE®, multiCLASS SE®, and pivCLASS® readers earned the GreenCircle Certification for **59%** energy savings when configured for IPM as compared to the same readers without the IPM configuration.

- HID GreenCircle Certification for iCLASS SE®, multiCLASS SE®, and pivCLASS® readers

5 Integrate Mobile Credentials

Global adoption of mobile credentials used for physical access control is on the rise with more than 85 million mobile credentials in use by 2022.



Plastic cards are wasteful, which means alternative means of accessing a facility are needed—like using mobile credentials, which are growing at a steady rate.

- IHS Markit Access Control Intelligence Service – 2018 Global Annual Update.

Conclusion

As sustainable solutions become more main stream and accessible, organizations today can make an impact by implementing physical access control technologies that affect an organization's carbon footprint. Companies, like HID Global, are leading sustainability efforts through development of energy-efficient readers and mobile credential technology, bringing physical access control into the realm of green initiatives.

Read more in the whitepaper, Green Security: How Access Control Plays a Supporting Role in Sustainability Efforts.

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