

ASSA ABLOY ecoLOGIC

Welcoming both customers and energy savings at the door

assaabloyentrance.com

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



The hidden potential of your automatic doors

Traditional automatic doors open and close on fixed settings, without adapting to customer flow or the weather outside. This leads to doors staying open too long, and a lot of unnecessary openings – wasting energy, increasing maintenance costs, and affecting customer convenience. In winter, warm air seeps out, forcing heating systems to work harder. In summer, cool air drifts away, straining air conditioning. The doors also miss the opportunity to let in cool air from outside when it's too warm inside – and the other way around.

ASSA ABLOY ecoLOGIC changes this. Its AI-driven algorithm dynamically adapts door behavior based on customer flow, weather conditions, and temperature differences. The impact on energy use and cost savings goes far beyond the energy used by the door itself – ecoLOGIC optimizes the entire heating and cooling footprint.

Watch ecoLOGIC in action! Scan the code on page 7 to see our short animated film.

How the ecoLOGIC AI solution works



The ecoLOGIC AI algorithm analyzes **customer flow**, and **weather and temperature** differences to ensure a balance between cost and energy savings and a welcoming atmosphere.



ecoLOGIC optimizes the **door speed** and **hold-open time** in real time to prevent unnecessary energy loss, while at times keeping doors more open to get free fresh air in, or handle higher customer volumes.



With these real-time adjustments, ecoLOGIC **cuts energy usage** and **operational costs** by reducing heating and cooling demands, and creates a more stable indoor climate.



SAVE UP TO
14,000
kWh

ecoLOGIC can help our customers **save up to 14,000 kWh annually*** per store, significantly reducing their carbon footprint and making us true partners in creating a better planet.

*for a medium sized retail store



THE CHALLENGE: On a cold day, warm air is drawn out, and cold air leaks in through the doors. It takes a lot of heating energy to compensate for the temperature loss.

With ecoLOGIC, instead of a one-size-fits-all approach, entrances become more dynamic, reducing energy loss while ensuring smooth, seamless access for every visitor.

Maximizing energy savings and enhancing customer value



Reducing energy consumption where it matters most

Saving energy at the entrance makes a real difference. Independent third-party data analysis confirms that ecoLOGIC can reduce energy usage by up to 14,000 kWh annually, helping businesses world-wide cut their energy costs at street-facing entrances.



Lower maintenance costs and longer lifespan

By reducing unnecessary movements, ecoLOGIC cuts door opening cycles by 2–7 %, minimizing wear and tear and lowering maintenance costs, extending the lifespan of the doors. In high-traffic environments, this means fewer repairs, longer-lasting doors, and improved operational efficiency.



Smarter climate control without compromising comfort

ecoLOGIC fine-tunes the door speed and hold-open time to ensure a smooth customer flow while keeping indoor temperatures stable. By adapting to real-time conditions, it prevents cold drafts in winter and excessive cooling loss in summer. It can also keep doors open to utilize free cooling from outside when possible.



A better experience for visitors and employees

ecoLOGIC ensures that doors respond naturally to customer flow, eliminating abrupt closings, unnecessary delays, and uncomfortable drafts – but stay open when beneficial. Whether in a retail store, office, or healthcare facility, it enhances accessibility, making every entrance more welcoming and efficient.



Security and compliance built-in

Certified to ISO 27001, ecoLOGIC operates independently from local IT networks, ensuring data security while maintaining safe and efficient access control. No additional sensors are needed – just intelligent automation that enhances security and increases energy efficiency.

ASSA ABLOY Insight platform

Get ready for the next level of digitalization

ecoLOGIC is part of the Insight platform, opening up great possibilities for real-time performance monitoring. Depending on your plan, it allows facility managers to track energy savings, analyze trends, and adjust settings remotely. This data-driven approach helps businesses optimize entrances for maximum efficiency and cost savings.



Scan the QR-code to visit the Insight web page



Easy setup, immediate results

ecoLOGIC integrates effortlessly into your sliding door systems, with quick installation and no disruption to daily operations.

Expert technicians configure the system to match the specific needs of each entrance. Once connected through a secure cellular gateway, ecoLOGIC runs automatically in the background, continuously learning and adjusting for long-term efficiency improvements.

Third-Party Certified. Future-Ready.

Patent-pending technology and independent certifications from trusted third parties, including GreenCircle Certified and TÜV SÜD – ensuring sustainability, safety, and performance.



How ecoLOGIC’s AI adapts to various business verticals ...



RETAIL

Smarter entrances without disrupting customer flow
Storefronts should feel welcoming, offering a comfortable indoor climate while keeping energy use in check. ecoLOGIC optimizes door behavior in real time – keeping doors open when needed and adjusting open and closing speeds. The result? Fewer unexpected door closures in front of visitors at gas stations, pharmacies, and retail stores.



OFFICE BUILDINGS

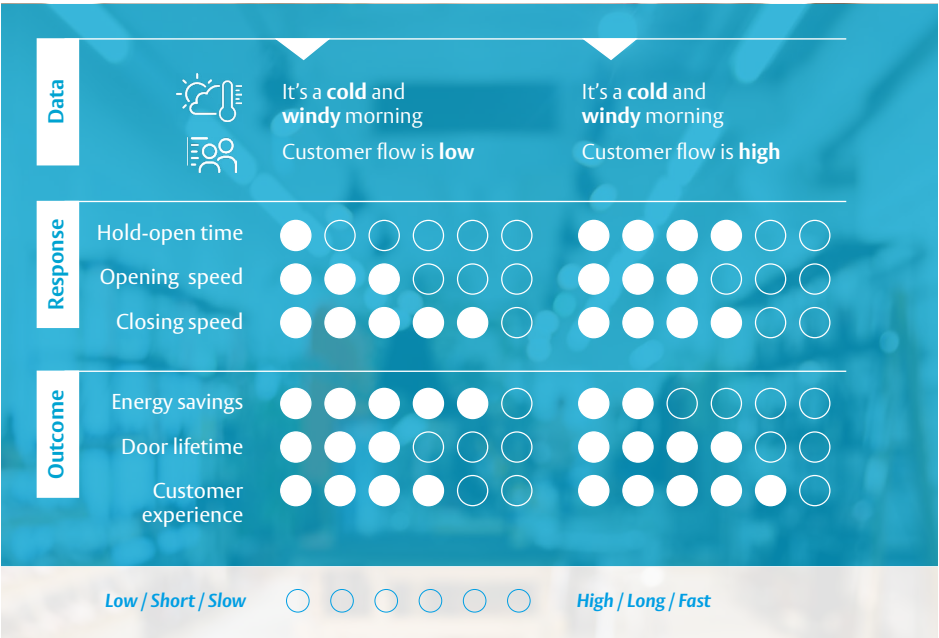
A smart entrance and a more comfortable workplace
A well-regulated office entrance enhances indoor climate and energy efficiency. With ecoLOGIC, offices not only lower their energy costs, but also improve air quality, and provide a draft-free, stable environment for employees and visitors.



HOTELS

An inviting entrance for every season
The guest experience starts at arrival, and ecoLOGIC ensures hotel entrances and lobbies feel welcoming and at the right temperature for the season. It improves comfort for guests and reception staff by managing airflow and door opening frequency. This also reduces heating and cooling costs.

... and to various scenarios



Two scenarios showing ecoLOGIC thinking
ecoLOGIC continuously analyzes customer flow and temperature differences between indoor and outdoor environments. As it gathers more data, ecoLOGIC refines its predictive model, factoring in weather forecasts, humidity, and wind conditions. In the scenarios above, you find two examples on how the ecoLOGIC AI works. Scan the QR code for a short film with more scenarios!



Scan the QR-code and scroll down to watch the short Scenario film



Questions from early ecoLOGIC adopters

“What door systems are compatible?”
All Record STA 20, FTA 20, and ASSA ABLOY SL500 sliding doors, from 2016 and onwards.

“Is the ecoLOGIC AI solution safe?”
The system has been penetration tested as part of ISO 27001, using the highest security standards.

“Does ecoLOGIC connect to the building’s Wi-Fi?”
Connection through the building’s Wi-Fi is not necessary. ecoLOGIC connects through a secure cellular gateway.

“How many extra sensors do we have to install?”
None! Extra sensors come at a cost and can break. All relevant information on weather is reached via the ASSA ABLOY Insight platform.

“What must be done on site to save energy?”
The program selector must be switched into “ecoLOGIC mode”.

The ASSA ABLOY Group is the global leader in access solutions.
Every day, we help billions of people experience a more open world.

ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of goods and people. Our offering includes a wide range of automated pedestrian, industrial and residential doors, loading dock equipment, perimeter fencing and service.

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