

Intelligent doors. Real energy savings.

ASSA ABLOY ecoLOGIC: AI-driven
optimization for automatic entrances



Automatic doors play a bigger role in energy consumption than you realize. Every unnecessary second of open time lets heated or cooled air escape, increasing operating costs. ecoLOGIC changes that. By continuously adapting door behavior to real-world conditions, it reduces energy loss at the opening, without compromising accessibility or customer flow.

Reduce energy costs where it matters most – at the entrance

**Verified energy savings**

ecoLOGIC reduces energy use by up to 14,000 kWh per entrance per year, with savings that scales across multiple doors and locations – verified by GreenCircle Certified and based on real-world performance data.

**Lower operation costs**

Proven ROI within one year. AI reduces door cycles by 2–7 %, lowering maintenance needs and long-term operating costs.

**Comfort without compromise**

Smart automation balances comfort and efficiency in real time – keeping indoor climates stable while maintaining smooth access.

**Third-party validated for confidence**

In addition to GreenCircle certification, ecoLOGIC is TÜV SÜD-tested for reliability and performance – with third-party data supporting your ESG reporting.

**Easy to deploy**

Retrofits to most entrances without hassle. Connect to existing infrastructure and start saving – no redesign, just results.



How the ecoLOGIC AI solution works

The ecoLOGIC model can be simplified into three distinct steps. For a more technical explanation, reach out to your local sales representative!



#1



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



#2



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.



#3



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
per store, per year*

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

*Numbers based on a medium sized retail store.

From detection to optimization

Advanced sensors and cross-traffic suppression improve how doors detect movement. ecoLOGIC builds on that foundation, continuously optimizing door speed and hold-open time based on real-world conditions. Together, they create entrances that are both intelligent and dynamic.



Not every open door wastes energy – but static door settings can't respond to changing conditions. On cold days, unnecessary openings can drive up heating demand. At other times, buildings miss the chance to use outdoor air to balance indoor temperatures. With ecoLOGIC, your entrance system becomes fully responsive, adapting continuously to traffic, temperature, and real-world conditions. It minimizes energy loss when it matters and keeps doors open when temperature differences make natural heating or cooling the smarter choice.

ecoLOGIC adapts to your business

Reduce heating and cooling losses at high traffic entrances

ecoLOGIC minimizes energy loss where it matters most – at busy automatic entrances. AI adapts in real time to footfall, reducing door cycles and saving up to 14,000 kWh/year per door. That means smoother flow for customers and lower heating and cooling costs for you.



Create efficient, comfortable work environments

ecoLOGIC balances indoor climate and access performance. It reduces unnecessary door openings, cuts wear and service needs, and supports ESG targets with verified energy savings. A smarter way to lower TCO while improving everyday comfort.





Welcome guests without wasting energy

ecoLOGIC ensures seamless, welcoming access while reducing energy loss at entrances. AI responds to real conditions – keeping lobbies warm, energy costs low, and the guest experience uninterrupted.



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! ecoLOGIC builds on the door’s existing sensors and connects securely to the ASSA ABLOY Insight platform, so no additional sensors or hardware are required.

“What must be done on site to save energy?”

The program selector must be switched into “ecoLOGIC mode”.

Third-party validated results you can trust.

ecoLOGIC is independently validated by third parties. GreenCircle certified that ecoLOGIC provides energy savings and reflect real-world performance data, while TÜV SÜD verifies reliability and AI performance.



ASSA ABLOY Insight platform **The next step in connected entrances**

ecoLOGIC builds on our own IoT connectivity platform Insight, opening up great possibilities for real-time performance monitoring and proactive remote service. Depending on your plan, it allows facility managers to track energy savings and analyze trends 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.



Reduce the total cost of
ownership on your automatic
sliding doors, today!

ASSA ABLOY Entrance Systems Singapore Pte. Ltd

33 Ubi Ave 3 #03-52 Vertex Tower B,
408868, Singapore

Phone: +65 6745 6228
E-mail: info.sg.aaes@assaabloy.com
www.assaabloy.com/sg

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and more open world

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