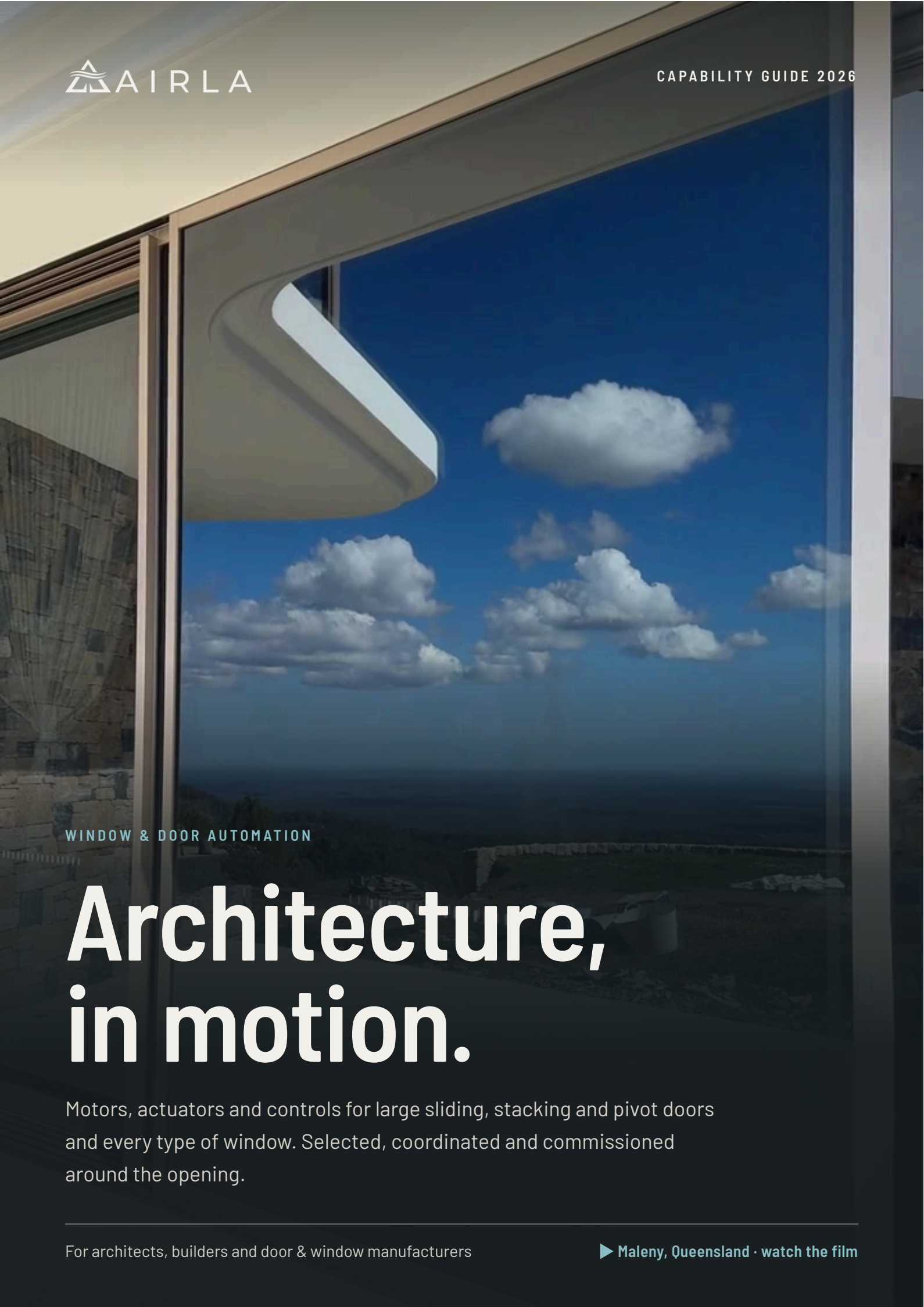
AIRLA

CAPABILITY GUIDE 2026



WINDOW & DOOR AUTOMATION

Architecture, in motion.

Motors, actuators and controls for large sliding, stacking and pivot doors and every type of window. Selected, coordinated and commissioned around the opening.

For architects, builders and door & window manufacturers

▶ Maleny, Queensland · watch the film

We automate the opening. Your manufacturer makes it.

Airla is a door and window automation specialist. We select the motors, actuators and controls for each opening, coordinate the installation details with your manufacturer and project team, and commission the system. The doors, windows and glazing come from your chosen manufacturer. We focus entirely on the movement.



HOW TO WORK WITH US

Supply only

Motors, actuators and controls specified for your opening, for fabricators and installers fitting the system themselves.

Supply & commission

We supply the system and set it up on site once it's installed: configuration, testing and handover.

Full turnkey

Supply, installation and commissioning. One point of responsibility, from selection to handover.

WHO WE WORK WITH

Architects & specifiers

Feasibility, motor placement and control strategy while the details can still move.

Builders

Clear works by others, power and cabling schedules, and commissioning aligned to the program.

Door & window manufacturers

Automation built into the openings you fabricate, with technical support behind it.

Commercial & education teams

High-level window schedules, grouped control and BMS connection for schools and facilities.

Large doors. Light touch.

Panels get wider and heavier as glazing gets more ambitious. A door that looks effortless in the render can be a struggle once it's installed. We automate oversized sliding, stacking, cornerless and pivot doors so the opening gets used the way it was designed to be.



▶ Wildfire, Newport QLD

DOOR CONFIGURATIONS

Sliding, one-way	Bi-parting
Stacking	Pocketing
90° cornerless	Curved
Lift & slide	Single or paired pivot

MOTOR POSITIONS

Beside the jamb
Concealed in a wall pocket. The cleanest result on new builds.

Inverted above the head
For curtain wall, rafter or limited-space conditions.

Surface-mounted in a cover
Fixed to the back jamb behind a cover finished to match. Suits retrofits and concrete or post-to-post construction.

WHAT WE ASSESS

Total moving panel weight · panel arrangement · track and hardware condition · motor space · fixing details · locking · power access · how the opening will be used.

~1.2 t

At Merewether, the owners had been sliding around 12 metres of glass, roughly 1.2 tonnes, by hand for seven years. We retrofitted a motor and controls, and the indoor–outdoor space they designed is back in daily use.

From compact sliders to 3.6 tonnes.

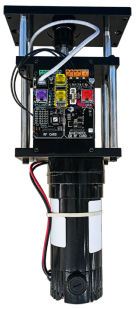
Five motors cover everything from a single light panel to oversized multi-panel systems. Selection starts with the total moving weight, the panel arrangement and the space available for the motor.



Tahoe
180 kg
1–2 panels



Sierra
450 kg
2–3 panels



Peak
1,300 kg
Up to 8 panels[1]



Everest
3,600 kg
Per project[2]



Pivot
600 kg
Pivot doors

Motor	Best suited to	Guide weight	Nominal size (mm)
Tahoe	Single-panel and lighter sliders where space is tight	180 kg	45 × 50 × 485
Sierra	Slimline motor for two- and three-panel systems	450 kg	70 × 75 × 560
Peak	Larger sliding and stacking doors	1,300 kg	90 × 190 × 460
Everest	Oversized, heavy multi-panel systems	3,600 kg	90 × 190 × 460
Pivot	Internal and external pivot doors	600 kg	585 × 90 × 90

24 V DC
Every motor, run from a control box

Brake & encoder
Magnetic brake and encoder on all models

Battery backup
Built into the control box

Coupled systems
Paired motors for cornerless and unequal bi-parting doors

Guide figures are a starting point for assessment, not a complete selection or cavity-clearance specification. Speed, duty cycle and clearances are confirmed on the selected motor's datasheet. Sliding motors include a magnetic clutch; the pivot motor does not. [1] Panel range depends on motor variant and configuration. [2] No fixed panel-count limit; total load and configuration still require assessment.

Every window type. Automated.

Kitchen and servery windows, sliding and awning windows, louvres and high-level clerestories. If it opens, we can usually automate it: one at a time or in groups, by switch, remote, building system or weather sensor. We assess sash movement, travel, force and fixing points to select the actuator.



▶ Ravenswood · Education, NSW



▶ Bayview, NSW

Awning
Chain winders or struts, single or paired

Casement
Side-hung sashes on chain winders

Sliding
Kitchen and living-area sliders

Servery
Bench-height windows to outdoor areas

Louvre
Louvre banks for natural ventilation

Top-hung & hatches
600 N and 1,000 N power struts

Double-hung
Concealed actuators lift the sash

High-level
Clerestories and commercial window banks

CHAIN WINDERS · 24 V DC · 304 STAINLESS CHAIN

Model	Push / pull	Projection	Max sash weight	Max sash H × W (mm)
Compact SCE100S	250 N	100 mm	< 25 kg	1,500 × 1,200
Standard SCE300S	250 N	300 mm	< 25 kg	1,500 × 1,200
Large LCD300	400 N	300 mm	< 40 kg	1,800 × 1,200
Twin-chain TCE300	800 N	300 mm	< 80 kg	1,800 × 2,400

Window controls (single, grouped, weather sensing and building-system inputs) are covered on pages 06–07. Ratings are for a single actuator, not a synchronised pair. Chain winders need non-friction stays. Chain projection alone does not establish fall-prevention compliance; IP rating, speed and duty cycle are confirmed for the selected model.

Choose how the opening responds.

The motor creates the movement. The controls decide how people live with it. Start with a switch, add a touchscreen, go hands-free or connect it to the whole building. Every door system runs on four commands: open, close, stop and unlock.

LEVEL 1
Simple
Wall switch or handheld remote. Nothing to learn.

LEVEL 2
Smart
Wall touchscreen plus app and voice control.

LEVEL 3
Hands-free
Touch-free sensors, keypad or fingerprint entry.

LEVEL 4
Integrated
Home automation, BMS and weather sensing.

FOR DOORS



Wall touchscreen
Sits beside the opening on a standard wall box. Wakes as you approach, with party, close-behind, guest and passcode modes.



App & voice
Google Home and Amazon Alexa through a Wi-Fi module. Apple Home through a separate module.



Handheld remote
A portable way to operate a compatible door from anywhere in the room.



Touch-free sensor
Hands-free activation as you approach. Useful for accessibility and busy kitchens.



Exterior keypad
Illuminated keypad outside the opening. The right code sends an open command.



Fingerprint access
A discreet entry option, selected around the door and its locking arrangement.

FOR WINDOWS

Switch or remote
Wired switch input or radio remote, per window.

Grouped operation
One- and eight-channel controllers run windows together.

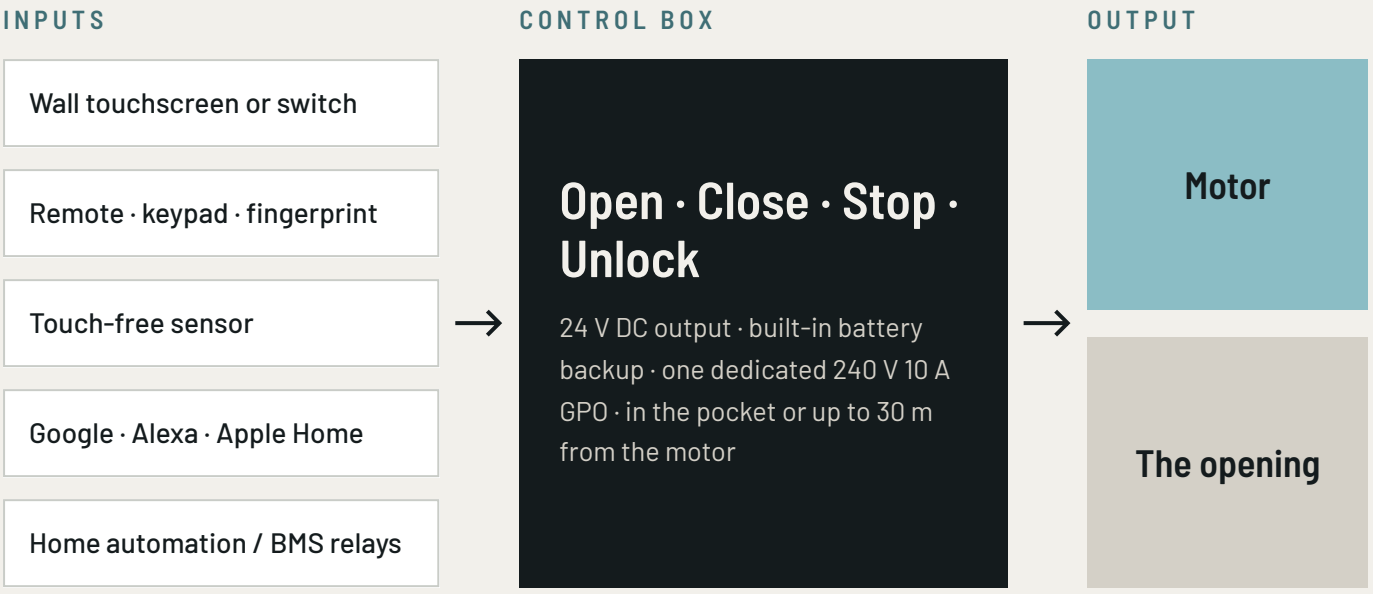
Weather sensing
Wind, light and rain sensor closes windows automatically.

Building systems
A signal converter accepts third-party control signals.

Control availability and compatibility are confirmed for each installation.

One system. Any way you want to drive it.

Every door system is built around a control box. Local controls, voice platforms and building systems all talk to it, so the opening behaves the same however it's triggered.



Home automation & BMS

Door systems connect through a dry-contact interface: four momentary relay outputs for open, close, stop and unlock. KNX, C-Bus and Dynalite connect this way, as do Control4 and Crestron where the integrator provides the relays. Airla confirms the wiring and commands.

App & voice

A Wi-Fi module on the door system connects to Google Home and Amazon Alexa, set up as one routine per command. Apple Home uses a separate module, so supporting both needs two. Wireless controls suit retrofits; touchscreens are wired before plasterboard.

WINDOW CONTROLLERS · 24 V DC · 433.92 MHZ

Controller	Channels	Max output	Use
Single-channel (MR536)	1	10 A	One window or group on a single command
Eight-channel (MR551)	8	2 A per channel	Zoned control; up to four paired-strut windows

Mains work and GPOs by a licensed electrician unless included in the scope of works.

Bring us in early. It costs less.

Automation is easiest when motor space, blocking, cable routes and power are planned before frames and ceilings are set. We issue detail drawings and wiring layouts against your actual opening.



01
Discuss
Send drawings, the door schedule or photos of the challenge.

02
Design
Motor, controls, locking, power and fixing confirmed as one system.

03
Deliver
Supply and installation coordinated with the project sequence.

04
Commission
Set up, tested and handed over with operating guidance.

TYPICAL RESPONSIBILITIES

Party	Provides
Airla	Motor, actuator and control selection · detail drawings and wiring layouts · supply · installation and commissioning where engaged
Builder	Structure or blocking for the motor · wall pocket · access panel
Door manufacturer	Doors, windows and glazing · belt and pulley openings in the jamb and head track
Electrician	Dedicated GPO per control box · cable runs to Airla's schedule
Integrator	Relay outputs and programming for home automation or BMS

Send us this for a fast, accurate proposal

- ☐ Door or window schedule and elevations
- ☐ Panel or sash weight, or the glass spec
- ☐ Project stage and target dates
- ☐ Opening type, dimensions and configuration
- ☐ Door or window manufacturer and system
- ☐ Preferred controls, BMS or home automation

Final responsibilities are set out in each project's scope of works.

Already built? Still possible.

Many existing sliding, stacking and pivot doors, and awning and double-hung windows, can be automated without replacing the opening. On existing sliders the motor can be surface-mounted behind a matching cover, and wireless controls can avoid new cabling. The door must run well first, and the control box still needs a dedicated GPO.

FOUR THINGS WE ASSESS

1
Type, size and moving weight

2
Condition of tracks, hinges and hardware

3
Space for the motor and access to power

4
Controls and everyday operation wanted

CASE STUDY · MALENY, QUEENSLAND

Heavy doors over a huge span, three months before handover.

Late in the build, the owners realised how much effort the large sliding doors would take every day. By the time we came in, the doors were installed and the walls and ceilings were sheeted.

We developed a retrofit approach with the builder, who created the mounting structure for the motors, and worked alongside the door fabricator and electrician to get cabling to the motors and controls.

Result: the doors open and close comfortably, and the connection between the home, its terraces and the landscape is part of everyday life.

▶ Watch the Maleny films



Every kind of opening, in motion.

From waterfront sliders to school clerestories. Twelve of the opening types we've automated across New South Wales, Queensland and Victoria, alongside the manufacturers who made them. Tap any tile to watch the films.



Large sliding doors
Wildfire · Newport, QLD



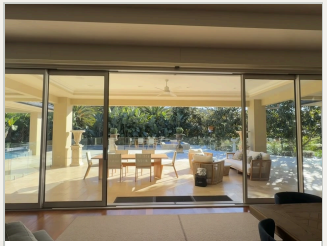
Stacking doors
Maleny · QLD



Cornerless doors
Maleny · main suite



Terrace doors
Bungan Head · NSW



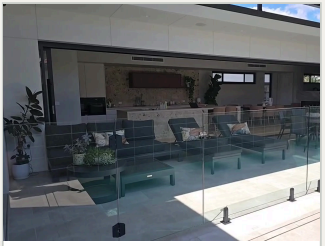
Multi-panel living
Matcham · NSW



Courtyard doors
East Melbourne · VIC



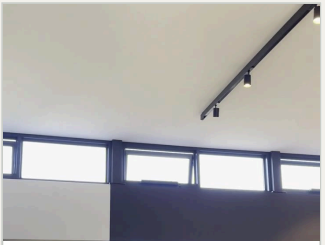
Retrofit
Rose Bay · occupied home



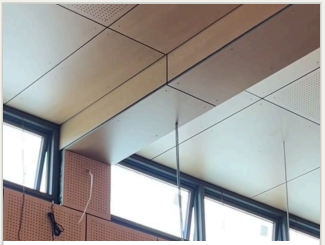
Poolside doors
Merewether · NSW



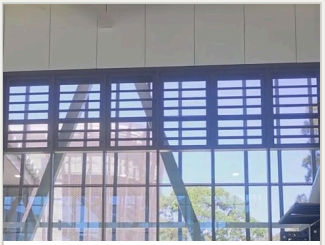
Kitchen windows
Bayview · NSW



High-level windows
Port Melbourne · VIC



School clerestories
Leppington PS · NSW



Sport & training
Dragons Centre · NSW

HOMES & ARCHITECTURAL OPENINGS

Maleny, QLD
Merewether, NSW
Rose Bay, NSW
Cabarita, NSW
Bungan Head, NSW
Bayview, NSW
East Melbourne, VIC
Wildfire, QLD
Matcham, NSW
Cascade, NSW
Point Piper, NSW
Rosebrook, NSW
Reed Street, NSW
Port Melbourne, VIC

EDUCATION, SPORT & COMMERCIAL

Ravenswood · ventilation windows
St George Illawarra Dragons · training gym
Leppington Public School · high-level windows
Marist College North Shore · window bank
Sir Joseph Banks High School · high-level windows
University of Newcastle · Gosford Central
Commercial ventilation · louvre banks

FOR DOOR & WINDOW MANUFACTURERS

Your openings. Our automation expertise.

Offer automation on the doors and windows you already make, without building the capability in-house. We work with your team on motor selection, mounting space, cable routes and controls, and back it with commissioning and technical support.

Assess the opening
Profiles, hardware, dimensions, weight and intended operation.

Coordinate the details
Motor placement, mounting, power, wiring and who installs what.

Bring it into operation
Installation, commissioning and handover around the project sequence.



Let's open up what's possible.

Send drawings, a door schedule or photos of the opening and we'll come back with the right motors, controls and next steps.

CALL
1800 238 881

EMAIL
info@airla.au

SEND DRAWINGS
airla.au

Airla Automation Systems · 7/56 Buffalo Road, Gladesville NSW 2111 · @airla_automation

Airla supplies, installs and commissions door and window automation; doors, windows and glazing are supplied by your chosen manufacturer. Figures are indicative guide values. Motor, actuator and control selection, power, compliance and installation details are confirmed for each opening before anything is fabricated or ordered. Scope, warranty and lead times are set out in your quote. © 2026 Airla.