

Industrial Enclosures & Cabinets

Design, manufacturing and integration capability — from structural definition and protection engineering through to finishing, system build and repeatable production.

Wall-mount AE

Free-standing ES

Modular PS

Operator PC

Desk console AP / AD

Server racks

IP65 / IK10 capable



More than a metal box

Prestige Industrial is an Australian industrial-solutions company. We combine local engineering, integration and service with vetted global manufacturing to deliver enclosures and cabinets that are manufacturable, maintainable and repeatable at scale — from a single engineering prototype to a released production platform.

01

Engineering Definition

Installation envelope, thermal load, cable routing, operator interfaces, service access and handling.

02

Structural Design

Materials and gauges, folded frames, doors, hinges, lock systems, mounting plates and reinforcement.

03

Protection Engineering

Sealing, cable entry, earthing, dust and water ingress, impact resistance and outdoor suitability.

04

Manufacturing Introduction

Laser cutting and CNC punching, bending, welding, pre-treatment, powder coating and assembly.

05

System Integration

Pre-installation of rails, ducting, fans, lighting, terminals, displays, controllers and accessories.

06

Verification & Delivery

Dimensional, finish, door and lock, earth continuity, fitment and protection-target verification.

Typical deliverables

Concept design · 3D CAD · 2D manufacturing drawings · bill of materials · finish specification · assembly drawings · inspection requirements · prototype and production data pack

6

Standard enclosure platforms — AE, ES, PS, PC, AP/AD and 19" server rack

IP65

Wall-mount AE sealed to IP65 with IK10 impact resistance as standard

2200

Millimetres maximum standard free-standing height, in 600–1200 mm widths

DFM

Design for manufacture and assembly applied before the first article is cut



ENCLOSURE ASSEMBLY & FIT-OUT LINE

The enclosure platform range

Six standard platforms cover the majority of industrial applications. Each is a configurable base rather than a fixed catalogue item — dimensions, cut-outs, finish and internal fit-out are set by the equipment and the operating environment.



Series AE

Wall-Mount Compact

Single- or double-door compact enclosure supplied with mounting plate, lock system, gland plate and sealing gasket.

400×300×160 to 1200×600×310 mm · IP65 · IK10



Series ES

Free-Standing Enclosure

Single and multi-bay floor cabinets with MS830 locking, removable cable entry and four lifting eyebolts.

1500×600×500 to 2200×1200×600 mm · IP54 · IK10



Series PS

Modular Frame System

Nine-fold profile frame with removable panels, front and rear doors, and bay coupling for expandable line-ups.

1600×600×600 to 2200×1200×800 mm · IP54 · IK10



Series PC

Operator / HMI Enclosure

Monitoring window, keyboard tray, removable shelves and side panels for industrial PC and HMI installations.

1600×600×600 mm base · IK10 · castor or plinth



Series AP / AD

Desk Console

Ergonomic operating surface with lift-up panel; front and rear doors open for convert installation and service.

1500×600×800 to 1500×1000×800 mm · IP54 · IK10



Server Rack

19" Network / Server Cabinet

EIA-standard rack with 78 % ventilation honeycomb doors, adjustable mounting angles and cable management.

37U – 46U · RAL 9005 · 2000 kg load capacity

Common to all platforms

Cold-rolled steel, epoxy-polyester powder coat with texture finish, RAL 7035 standard.

Lock systems

MS821 and MS830 compression locks, key barrels, swing handles and padlockable options.

Cable entry

Removable gland plates as standard, with brush strip, connector panel and gland options.

Handling

Lifting eyebolts on free-standing platforms; plinths, castors and forklift pockets to order.

Configurable, not fixed. The tables in this document list standard platform sizes for reference. Construction, dimensions, materials and protection targets are tailored to the equipment and operating environment, and are not limited to standard catalogue sizes.

Specialist & application enclosures

Beyond the standard platforms, we design and source enclosures built around a specific duty — operator ergonomics, outdoor exposure, switchgear line-ups and metering.



Series MB

Metering Enclosures

Single- and three-phase metering boxes with transparent sealed cover, moulded back plate and tamper-evident terminal shrouds.



Series SB

Final Distribution Boards

Certificated switch and distribution boards with hinged lid, DIN chassis, neutral and earth bars and knockout cable entries.



Hanging arm

Pendant Operator Box

Machine-side operator station on a rotating support arm with internal mounting channel and cable routing.



Outdoor / NEMA

Outdoor Cabinets

Rain hood, drainage, ventilation and stainless or coated construction for exposed and roadside installations.



GCK / GGD

Switchgear Line-ups

Withdrawable and fixed-pattern LV assemblies, busbar and cable segregation, coordinated multi-bay access.



PLC / ESS

Control & Energy Cabinets

Program-logic control cabinets, battery-storage panels and EV-charge enclosures built on the free-standing platform.

Shape, cut-out and bespoke work

Where the equipment does not fit a platform, we start from the layout instead: bespoke profiles, angled faces, special cut-out patterns, viewing windows, ventilation arrays and non-standard access — designed for manufacture from the first sketch.

Where these enclosures are used

- Machine control, automation cells and process skids
- Power distribution, switchrooms and substation buildings
- Water, wastewater and pumping infrastructure
- Renewables, battery storage and EV charging
- Telecommunications, data and network rooms

What we tailor per project

- Overall dimensions, door count and opening direction
- Material, gauge, RAL colour and surface texture
- Cut-outs, louvres, windows and nameplate positions
- Plinths, castors, lifting eyes and wall-mount hardware
- Segregated zones, mounting plates and internal brackets



PLATFORM SIZING FAMILY



HAZARDOUS-AREA STATIONS



OUTDOOR DISTRIBUTION

Platform comparison

Standard construction for each platform. All powder-coated finishes are epoxy-polyester with a texture finish; RAL 7035 light grey is standard and alternative RAL colours are available to order.

STANDARD PLATFORM CONSTRUCTION

SERIES	TYPE	DOOR / BODY STEEL	MOUNTING PLATE	INGRESS	IMPACT	FINISH
AE	Wall-mount compact	1.2 mm to 1.5 mm by height	1.2 mm zinc-coated	IP65	IK10	RAL 7035
ES	Free-standing, single & multi-bay	Door 2.0 mm / body 1.5 mm	2.5 mm galvanised	IP54	IK10	RAL 7035
PS	Modular nine-fold frame system	Door 2.0 mm / body 1.5 mm	2.5 mm galvanised	IP54	IK10	RAL 7035
PC	Operator / HMI enclosure	Door & body 1.5 mm	2.0 mm galvanised	To project	IK10	RAL 7035
AP / AD	Desk console	Door 2.0 mm / body 1.5 mm	2.0 mm zinc-coated	IP54	IK10	RAL 7035
Rack	19" network / server cabinet	Cold-rolled steel, honeycomb doors	19" EIA mounting angles	Ventilated	—	RAL 9005

SIZE ENVELOPE & STANDARD SUPPLY

SERIES	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	STANDARD SUPPLY INCLUDES
AE	400 – 1200	300 – 700	160 / 210 / 260 / 310	Enclosure & door, mounting plate, lock system, gland plate, sealing gasket, fixings
ES	1500 – 2200	600 – 1200	500 / 600	Body & door with MS830 lock and hinges, removable cable entry, 4 lifting eyebolts
PS	1600 – 2200	600 – 1200	600 / 800	Front door with reinforcing frame & MS821 lock, rear panel, mounting plate + 4 supports, top cover, removable gland plate, 4 lifting eyebolts
PC	1600	600	600	Front door with MS821 lock, rear panel, mounting plate, keyboard tray, monitoring window, 2 removable layers, 2 removable side panels, 4 lifting eyebolts
AP / AD	1500	600 – 1000	800	Door with lock and hinges, mounting plate, enclosure body; sliding zinc-coated mounting plate
Rack	1800 – 2200	600 – 1000	800 – 1200	EIA rack, honeycomb front/rear doors with locks, side panels, wire harnesses, shelves, PDU, plinth with wheels, M6 fixings

Plinths & bases

100 mm and 200 mm plinths, forklift pockets and levelling feet are specified separately to suit floor condition, cable entry direction and site handling.

Bay coupling

ES and PS frames couple side-by-side with sealing strips and shared side panels, giving a continuous line-up with segregated internal zones.

Accessories

Mounting brackets, protective covers, rail sets, ducting, gland plates, thermal components, lighting and door-position switches.

Reference data. Sizes and construction reflect the standard manufacturing platform. Final protection ratings and compliance claims depend on the agreed configuration, prototype status and formal test results.

AE — Wall-Mount Compact Enclosure



Standard configuration

- Cold-rolled steel body and door, epoxy-polyester powder coat, texture finish
- Colour RAL 7035 · protection degree **IP65** · impact resistance **IK10**
- Supplied with mounting plate, lock system, gland plate, sealing gasket and fixings
- Optional: mounting bracket, protective cover, mini-firefighter suppression
- Sheet thickness 1.2 mm to 600 mm height; 1.5 mm door from 700 mm; 1.5 mm body from 1000 mm

SELECTION TABLE · 160 – 210 MM DEPTH

MODEL	H	W	D	LOCKS
AE404016-A-1	400	400	160	1
AE505016-A-1	500	500	160	2
AE506016-A-1	500	600	160	2
AE605016-A-1	600	500	160	2
AE606016-A-1	600	600	160	2
AE607016-A-1	600	700	160	2
AE403021-A-1	400	300	210	1
AE504021-A-1	500	400	210	2
AE505021-A-1	500	500	210	2
AE604021-A-1	600	400	210	2
AE605021-A-1	600	500	210	2
AE606026-A-1	600	600	210	2
AE705021-A-1	700	500	210	2
AE706021-A-1	700	600	210	2
AE707021-A-1	700	700	210	2

SELECTION TABLE · 260 – 310 MM DEPTH

MODEL	H	W	D	LOCKS
AE504026-A-1	500	400	260	2
AE605026-A-1	600	500	260	2
AE705026-A-1	700	500	260	2
AE706026-A-1	700	600	260	2
AE805026-A-1	800	500	260	2
AE806026-A-1	800	600	260	2
AE807026-A-1	800	700	260	2
AE905026-A-1	900	500	260	2
AE906026-A-1	900	600	260	2
AE106026-A-1	1000	600	260	2
AE806031-A-1	800	600	310	2
AE906031-A-1	900	600	310	2
AE107031-A-1	1000	700	310	2
AE117031-A-1	1100	700	310	2
AE126031-A-1	1200	600	310	2

Sheet thickness

1.2 / 1.2 mm at 400–600 mm · 1.2 / 1.5 mm at 700–900 mm · 1.5 / 1.5 mm at 1000–1200 mm (body / door)

Mounting plate

1.2 mm zinc-coated across the full height range, adjustable on the rear rail set.

Cable entry

Removable gland plate to the base as standard; brush strip, connector panel and multi-gland options.

Extended sizes

The table above is a representative subset. Intermediate and larger sizes are available to order.

ES & PS — Free-Standing & Modular Cabinets



SERIES ES · FREE-STANDING

Cold-rolled steel. Front door 2.0 mm, body 1.5 mm, bottom cable plate 1.5 mm, galvanised mounting plate 2.5 mm. IP54, IK10, RAL 7035. Supplied with MS830 locking system and hinges, removable cable entry and four lifting eyebolts. Plinth specified separately.



SERIES PS · MODULAR FRAME

Nine-fold profile frame. Front door 2.0 mm with reinforcing frame and MS821 lock, body 1.5 mm, cable plate 1.5 mm, galvanised mounting plate 2.5 mm. IP54, IK10, RAL 7035. Rear panel, mounting-plate supports, top cover and removable gland plate included.

ES SELECTION TABLE

MODEL	H	W	D	LOCKS
ES156050-A-3	1500	600	500	1
ES158050-A-3	1500	800	500	1
ES151050-A-4	1500	1000	500	2
ES151250-A-4	1500	1200	500	2
ES166050-A-3	1600	600	500	1
ES168050-A-3	1600	800	500	1
ES161050-A-4	1600	1000	500	2
ES176050-A-3	1700	600	500	1
ES178050-A-3	1700	800	500	1
ES186050-A-3	1800	600	500	1
ES188050-A-3	1800	800	500	1
ES181050-A-4	1800	1000	500	2
ES206060-A-3	2000	600	600	1
ES208060-A-3	2000	800	600	1
ES201060-A-4	2000	1000	600	2
ES226060-A-3	2200	600	600	1
ES221260-A-4	2200	1200	600	2

PS SELECTION TABLE

MODEL	H	W	D	FRONT DOOR
PS168060-A-3	1600	800	600	Single
PS161060-A-4	1600	1000	600	Double
PS161260-A-4	1600	1200	600	Double
PS186060-A-3	1800	600	600	Single
PS188060-A-3	1800	800	600	Double
PS181060-A-4	1800	1000	600	Double
PS206060-A-3	2000	600	600	Single
PS208060-A-3	2000	800	600	Single
PS201060-A-4	2000	1000	600	Double
PS226060-A-3	2200	600	600	Single
PS186080-A-3	1800	600	800	Single
PS188080-A-3	1800	800	800	Single
PS181080-A-4	1800	1000	800	Double
PS206080-A-3	2000	600	800	Single
PS201080-A-4	2000	1000	800	Double
PS226080-A-3	2200	600	800	Single
PS221080-A-4	2200	1000	800	Double

All PS models are supplied with a **single rear door** as standard. Depths of 600 mm and 800 mm are shown; 1200 mm-wide variants are available across the height range in both depths.

Consoles, Operator Enclosures & Racks



AP / AD Desk Console

Front and rear doors plus the operating panel all open for convert installation. Zinc-coated mounting plate slides back and forth. IP54, IK10, RAL 7035.



PC Operator Enclosure

Monitoring window, keyboard tray, two removable layers and two removable side panels. Nine-fold profile frame, MS821 lock, IK10, RAL 7035.



19" Server Rack Cabinet

Nine-fold frame with 78 % ventilation honeycomb doors and adjustable mounting angles. RAL 9005, 5-35 Hz seismic, 2000 kg load capacity.

DESK CONSOLE & OPERATOR ENCLOSURE

MODEL	H	W	D
AP156080	1500	600	800
AP158080	1500	800	800
AP151080	1500	1000	800
PC166060	1600	600	600

SERVER RACK - BASIC CONFIGURATION

ITEM	QUANTITY
19" EIA standard rack	One set
Front single steel honeycomb door with lock	One piece
Rear double steel honeycomb door with lock	One piece
Solid side panel	One pair
Vertical wire harness	One pair
Shelves	One piece
Ten-way PDU power supply	One piece
Plinth with wheels	Four
M6 screws	Fifty sets

SERVER RACK SELECTION TABLE

MODEL	W	D	H	CAPACITY
101020	1000	1070	2000	42U
101022	1000	1070	2200	46U
801020	800	1070	2000	42U
801022	800	1070	2200	46U
801220	800	1200	2000	42U
808020	800	800	2000	42U
609518	600	950	1800	37U
609520	600	950	2000	42U
609522	600	950	2200	46U
601218	600	1200	1800	37U
601220	600	1200	2000	42U
601222	600	1200	2200	46U
601020	600	1070	2000	42U
601022	600	1070	2200	46U
608020	600	800	2000	42U



Modular enclosure architecture

A platform-based structure with configurable modules balances customisation against cost, lead time and future expansion. Each layer is specified independently, so a change to the operator interface does not force a change to the load-bearing structure.

LAYER 01 INTERFACE

Controls, displays, viewing windows, emergency stops, keyboard trays and operator panels — everything the operator touches or reads.

LAYER 02 INTERNAL

Mounting plates, DIN rails, ducting, brackets, partitions, shelves and thermal management components.

LAYER 03 PROTECTION

Door seals, gland plates, lock systems, protective earthing, drainage and condensation control.

LAYER 04 STRUCTURE

Nine-fold frames, doors, side panels, stiffeners, plinths and lifting points — the load path and the datum for everything above.

Configurable features

- Overall dimensions, door type and opening direction
- Material, gauge, RAL colour and surface texture
- Cut-outs, louvres, windows and nameplate locations
- Plinths, castors, lifting eyes and wall-mounting hardware
- Segregated zones, mounting plates and internal brackets

Engineering considerations

- Component clearances and tool access
- Segregation of ELV, signal and power wiring
- Heat sources, airflow paths and filter servicing
- Door loads, centre of gravity and transport vibration
- Expansion capacity and ease of future modification

Why the layers are specified separately

Late changes are normal — an extra drive, a bigger display, a different cable route. Keeping the interface, internal, protection and structural layers independent means most late changes are absorbed by one layer instead of forcing a redesign of the whole enclosure.



Internal rail & bracket sets



Removable gland / cable-entry plate



Nine-fold profile load-bearing frame

Materials, protection & finishes

DESIGN DECISIONS AND THEIR DRIVERS

DESIGN ITEM	AVAILABLE OPTIONS	APPLICATION CONSIDERATIONS
Primary material	Cold-rolled steel, stainless steel, aluminium and engineering polymers	Strength, corrosion resistance, mass, EMC performance, cost and appearance
Gauge strategy	Defined separately for door, body, mounting plate and gland plate	Checked against size, loading, cut-out ratio and transport method
Surface finish	Epoxy-polyester powder coat (texture), brushed finish, passivation, anodising, plating	Indoor / outdoor duty, chemical exposure, brand colours and cleaning regime
Sealing system	Continuous foam gasket, formed seals and compression latching	Door gaps, joints, windows, cable entries and maintenance frequency
Thermal management	Natural convection, filtered fans, heat exchangers and cabinet air conditioning	Ambient temperature, internal heat load, dust and humidity
Cable entry	Removable gland plates, cable glands, connector panels and brush strips	Bend radius, strain relief, sealing and site installation method
Lock system	MS821 / MS830 compression locks, key barrels, swing handles, padlockable options	Access control, door pull-in for gasket compression and site key management

IP

Dust & water ingress

Structure and validation planned to the project target — IP65 on sealed wall-mount platforms, IP54 on free-standing. Final ratings remain subject to the agreed test and certification scope.

IK10

Mechanical impact

Gauge selection, folded edges, stiffeners, locking points and mounting method are used together to raise stiffness and resistance to deformation.

UV / C

Outdoor & corrosive

Materials, coatings and fasteners selected for UV, salt, temperature cycling, condensation and chemical exposure — including stainless and marine-grade options.

Standard colour

RAL 7035 light grey, epoxy-polyester powder coat with texture finish, is standard across AE, ES, PS, PC and AP/AD. Server racks are finished RAL 9005 black. Alternative RAL colours, gloss levels and two-tone schemes are available to order.

Coating process

Degrease, phosphate pre-treatment and rinse, dry, electrostatic powder application, then oven cure. Coating thickness, adhesion and colour are checked as part of in-process inspection.

Compliance. Protection ratings, environmental performance and compliance claims depend on project requirements, prototype status and formal test results. Concept design does not replace type testing or certification.

From drawing to finished product

01

Material & Flat Pattern

Material confirmation, nesting, flat-pattern verification and batch traceability.

02

Cutting / Punching

Laser cutting or CNC punching of profiles, cut-outs and mounting holes.

03

Bending & Forming

Controlled bend sequence, dimensions, angles and spring-back compensation.

04

Welding & Dressing

Spot, seam and stud welding followed by grinding and surface dressing.

05

Surface Finish

Pre-treatment, powder coating, passivation or anodising, then oven cure.

06

Sealing & Assembly

Seals, locks, hinges, earth bonds and accessories installed.

07

Pre-installation

Mounting plates, rails, ducting, fans and panel hardware fitted.

08

In-process Inspection

Critical dimensions, door gaps, flatness and function checked.

09

Final Verification

Fitment, earthing, protection and cosmetic acceptance.

10

Packing & Delivery

Protective packaging, labelling, documentation and batch records.



Engineering–manufacturing collaboration

During design we check bend access, weld distortion, coating masks, tool access, assembly sequence and transport packaging — so that the first article validates the design instead of exposing avoidable rework.

Optimised for rapid prototyping

Standard material stock, common lock and hinge hardware, and low-tooling processes accelerate first-article validation while keeping the design flexible enough to change after review.

Ready for repeatable production

Drawing release, critical-feature definition, inspection tooling and a supply-chain substitution strategy support consistent output across repeat batches.

Designed around equipment integration

An enclosure is only correct once the real equipment, real cables and real service actions fit inside it. We design from the internal layout outwards.

Internal mechanical integration

- Mounting plates, DIN rails, ducting and component brackets
- Layout of drives, PLCs, industrial PCs, batteries and power supplies
- Installation of sensors, cameras and HMI hardware
- Fans, filters, heat exchangers and cooling components

External interface integration

- Emergency stops, pushbuttons, indicators and display windows
- Cable glands, industrial connectors and service ports
- Hinged doors, drawers, slides and removable panels
- Castors, forklift pockets, lifting points and fixed plinths



SWITCHROOM LINE-UP



OPERATOR CONTROL ROOM



CABINET FIT-OUT

Electrical design, wiring and powered commissioning can be included where agreed. Licensed electrical work, type testing and third-party certification are performed by appropriately qualified personnel or organisations.

Critical quality control points

A

Drawings & revision control

Consistent datums, critical tolerances, materials, colours, finishes and revision status.

B

Form & cut-outs

Overall dimensions, door gaps, diagonals, mounting holes and interface positions treated as critical characteristics.

C

Structure & function

Functional verification of doors, locks, hinges, drawers, mounting plates and removable components.

D

Welds & finish

Inspection of welds, dressing, edges, coating colour, thickness, adhesion and cosmetic defects.

E

Earthing & safety

Protective bonding of doors, body and mounting plate, plus sharp-edge and pinch-point checks.

F

Sealing & environment

Gasket continuity and compression, cable entries and drainage, with project-specific testing.

First Article Inspection (FAI)

We recommend a joint customer review of the first prototype before production — using actual components and cables to verify operating space, service actions, transport handling and site installation.

STAGE GATES AND RELEASE CRITERIA

STAGE	OUTPUT / RECORD	RELEASE CRITERIA
Design review	3D model, 2D drawings, BOM, interface schedule and risk register	Critical requirements closed, or deviations formally accepted
First manufactured article	Dimensional report, cosmetic record and assembly issue list	Critical dimensions and functions meet released data
System assembly	Component fit, wiring, thermal and service checks	No interference; installable, operable and maintainable
Delivery acceptance	Inspection records, packing list, drawings and change status	Acceptance completed against contract and technical agreement

FAI

First article reviewed jointly before production release

100%

Critical dimensions and functions checked on the first article

Rev

Controlled drawing revisions carried through to delivery records

Batch

Traceability records retained against each production batch

Recommended project approach

01

Requirements Definition

Environment, internal equipment, interfaces, regulations, quantity, schedule and cost targets.

02

Concept & Layout

Structural concept, appearance, equipment layout, maintenance actions and risk review.

03

Detailed Design

3D and 2D data, materials, BOM, sealing, thermal management and DFM.

04

Prototype Manufacture

First-article manufacture, finishing, assembly and engineering issue closure.

05

Joint Verification

Install actual equipment; verify interfaces, operation, maintenance and environmental targets.

06

Design Release

Incorporate verification outcomes; release drawings, BOM and acceptance criteria.

07

Pilot Production

Verify consistency, assembly cycle, packaging, transport and site installation.

08

Production Delivery

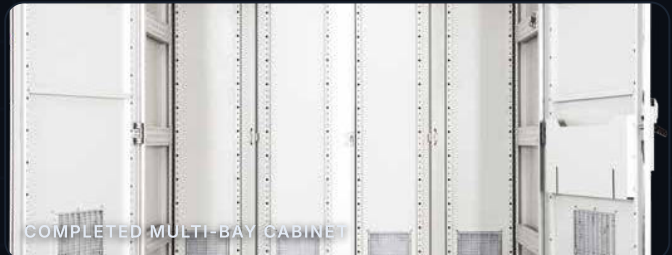
Revision control, in-process inspection, change management and continuous improvement.

What we need from you

- Internal component models or dimensions, and mounting requirements
- Operating environment and target protection rating
- External interfaces, operation and maintenance requirements
- Applicable standards, quantities, target cost and schedule

What you receive

- Enclosure system concept and risk analysis
- Production-ready design data and key specifications
- Prototype, assembly support and verification closure
- A repeatable production and delivery baseline





**PRESTIGE
INDUSTRIAL**

ENGINEERED IN AUSTRALIA · SOURCED WORLDWIDE

NEXT STEP

Turn your equipment requirements into a manufacturable enclosure solution.

Start with the internal equipment layout, the operating environment, the service approach and the target volume. We can begin with an engineering review, then define the concept-design and prototype scope.

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Mobile Lighting & Power

Industrial HVAC & Cooling

Protective Transit Cases

Metal Enclosures & Cabinets