



Premium Aluminium Systems for Modern Infrastructure

Engineering Precision · Structural Strength · Acoustic Excellence

Built for Performance.
Designed for Impact.

ARTCOUSTIC PTE. LTD.
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Built for Performance.
Designed for Impact.

Singapore · Principal Manufacturer

Premium Aluminium Systems for Modern Infrastructure



12+

Material
Strengths



8

Core
Pillars



4

Value
Propositions

Engineering Precision · Structural Strength · Acoustic Excellence

About Artcoustic Pte Ltd

Singapore-Based Aluminium Engineering & Architectural Solutions



Artcoustic Pte Ltd is a Singapore-based specialist in advanced aluminium architectural systems. Backed by a leading aluminium manufacturing partner, we operate as a principal manufacturer — delivering high-performance solutions for modern infrastructure and design.

We integrate engineering precision, structural strength, Sound Insulation Performance and aesthetic excellence to serve a wide spectrum of industries, from commercial developments to large-scale public infrastructure.

12



*Material
Advantages*

8



*Delivery
Pillars*

4



*Value
Propositions*

1



*Integrated
Platform*

Compliance-ready · International building standards · Custom engineering support for architects & consultants

Who We Are

Artcoustic Pte Ltd is a principal aluminium manufacturer specializing in acoustic and architectural aluminium systems with robust manufacturing capabilities and engineering expertise.

Our capabilities extend beyond fabrication. We work across the full value chain — from engineering design and technical consultation to manufacturing, fabrication, and project implementation. By integrating material science, structural engineering, and architectural requirements, we provide tailored solutions designed to meet project-specific performance standards.

Our Full Value Chain

■ Engineering design support



■ Custom architectural system development



■ Acoustic performance integration



■ Manufacturing and fabrication



■ Technical consultation



■ Project implementation support



"We bridge engineering precision with design intelligence — creating solutions that meet the demands of architects, developers, consultants, and project owners seeking durability, functionality, sustainability, and aesthetic value."

Our Vision

VISION

To be Singapore's leading provider of innovative aluminium architectural solutions, transforming spaces through design excellence, performance, and sustainable materials.

What this means in practice:

Design Leadership



We set the standard for aluminium architectural innovation in Singapore and beyond.

Performance Focus



Every solution is measured by its real-world impact on the built environment.

Sustainable Materials



Long-lasting, recyclable aluminium systems support responsible, future-forward building.

Our Mission

MISSION

To deliver high-quality aluminium systems backed by advanced manufacturing expertise, creating value for our clients across commercial, hospitality, entertainment, and infrastructure sectors.

We are committed to:

- Providing innovative and reliable aluminium solutions that meet modern architectural and engineering demands
- Enhancing aesthetic appeal and functional performance in every project
- Upholding the highest standards of safety, durability, and quality
- Supporting sustainable building practices through efficient and long-lasting materials
- Building strong partnerships with developers, architects, and contractors to achieve project excellence

Core Expertise

01 Advanced Aluminium Architectural Systems

High-performance aluminium systems engineered for modern architectural requirements — precision fabrication with global compliance standards.



02 Acoustic Performance Engineering

Specialised systems designed for sound insulation, acoustic control, and enhanced environmental performance across diverse built environments.



03 Custom Engineering Solutions

Tailored design development and technical customisation for architects, developers, and consultants built to project-specific performance standards.



04 Structural Strength & Precision Manufacturing

Solutions built for long-term durability, reliability, and sustained performance under demanding structural and environmental conditions.



Our Value Proposition

01

Engineering + Design Integration

Combining technical performance with architectural aesthetics to create solutions that are both structurally sound and visually compelling.



02

Manufacturing Capability

Strong production support enabling quality control, scalability, and efficient delivery across projects of any scale.



03

International Standards Compliance

Systems developed with global building and performance requirements in mind — compliance-ready for tenders and international projects.



04

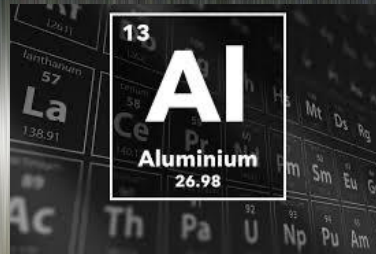
Architectural Partnership Approach

Working collaboratively with consultants, architects, and project teams from concept through to final implementation.



Industries We Serve

 01 Commercial Developments	 02 Transportation & Infrastructure	 03 Government & Public Facilities	 04 Mixed-Use Developments
 05 Institutional Buildings	 06 Hospitality Projects	 07 Education Environments	 08 Industrial Applications



Artcoustic brings engineering precision and design intelligence to every sector and every built environment.

Why Aluminium — 12 Key Strengths

12

ENGINEERED
MATERIAL
ADVANTAGES



01

Lightweight Efficiency

02

High Strength & Rigidity

03

Structural Stability

04

Superior Wind Resistance

05

Architectural Design
Flexibility

06

High-Performance Sound
Insulation

07

Advanced Sound
Absorption

08

Thermal Insulation

09

Fire-Resistant Properties

10

Seismic & Vibration
Resistance

11

Zero Formaldehyde & Zero
VOC

12

Termite & Mould Resistant

*"Engineering Aluminium.
Elevating Architecture."*

Material Advantages — Structural & Physical

01 Lightweight Efficiency



High strength-to-weight ratio significantly reduces dead load on structures — enabling faster installation with minimal disruption to existing structures.

Application: MRT upgrades, commercial refurbishments, and high-rise façades where weight constraints are critical.

02 High Strength & Rigidity



Engineered panels maintain shape and structural integrity under continuous load and environmental stress — preventing warping or deformation over time.

Application: Large lobbies, façade systems, and airport installations requiring precision and long-term durability.

03 Structural Stability



Advanced fabrication ensures dimensional accuracy and long-term performance stability with minimal maintenance requirements across the installation.

Application: Government infrastructure and high-traffic commercial environments with demanding performance standards.

04 Superior Wind Resistance



Designed to withstand high wind loads and pressure differentials in exposed or elevated structures — meeting strict engineering and regulatory standards.

Application: Skyscrapers, transport hubs, and coastal developments subject to extreme wind conditions.

Material Advantages — Design & Acoustic

05

Architectural Design Flexibility



Precision fabrication into various shapes, perforations, and finishes enables custom branding, iconic architectural design, and integration with lighting and digital elements.

Application: Premium hotels, flagship commercial buildings, and lifestyle destinations requiring bespoke identity.

06

High-Performance Sound Insulation



Multi-layer engineered panel systems reduce sound transmission between spaces — improving privacy and reducing external noise intrusion in high-density environments.

Application: Office spaces, hospitality environments, and transit systems where acoustic comfort is essential.

07

Advanced Sound Absorption



Perforated aluminium panels combined with acoustic backing materials absorb sound waves and reduce reverberation in large public spaces.

Application: Auditoriums, transit stations, airports, and entertainment venues requiring superior acoustic quality.

08

Thermal Insulation Performance



Integration with insulation layers reduces heat transfer — lowering energy consumption (air-conditioning load) and supporting green building certifications.

Application: Singapore's tropical climate across offices, retail malls, and hotels seeking energy efficiency goals.

Material Advantages — Safety, Compliance & Durability

09

Fire-Resistant Properties



Non-combustible aluminium systems meet fire safety standards required in commercial and public infrastructure — reducing fire spread risk significantly.

Application: MRT systems, airports, hotels, and public buildings where fire compliance is mandatory for tenders.

10

Seismic & Vibration Resistance



Flexible yet strong systems absorb vibration and movement without structural failure — extending system lifespan under dynamic loads in high-usage environments.

Application: Rail systems, highways, airports, and high-traffic environments subject to constant vibration.

11

Zero Formaldehyde & Zero VOC



Aluminium's inert composition emits no harmful substances — supporting cleaner indoor air quality and healthier living and working environments over the long term.

Application: Wellness developments, green buildings, and eco-friendly architectural applications.

12

Termite & Mould Resistant



Non-organic composition naturally resists termite infestation, moisture absorption, mould formation, and biological deterioration in humid environments.

Application: Tropical climates requiring durable, hygienic, and environmentally resilient material performance.

8 Core Pillars of Delivery

Our capabilities are structured around eight industry pillars — each one a complete solution ecosystem integrating acoustic science, structural engineering, and architectural design.

01**Commercial
Offices****02****Commercial
Buildings****03****Hospitality
& Hotels****04****Entertainment
& Lifestyle****05****Infrastructure
& Transit****06****Healthcare
& Education****07****Smart Cities
& Urban****08****Industrial &
Data Centres**

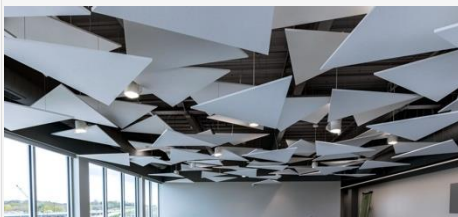
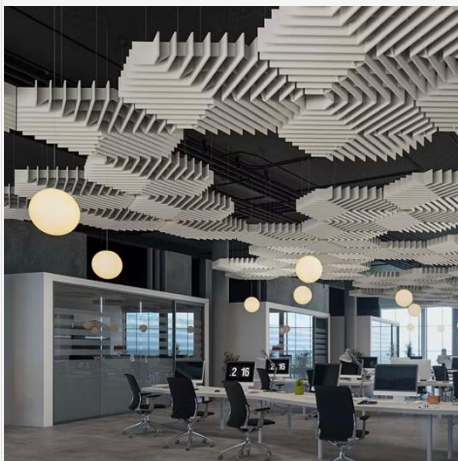
01

Commercial Offices



CHALLENGE

Modern offices require acoustic comfort, flexibility, and strong brand identity — most solutions only solve one dimension.



OUR APPROACH

- Acoustic wall and ceiling systems to reduce noise
- Lightweight structures for fast retrofitting
- Custom façade & interior panels for branding
- Integration with smart office & green building



IMPACT



Improves productivity, enhances employee wellbeing, and elevates corporate image across every engagement.

02

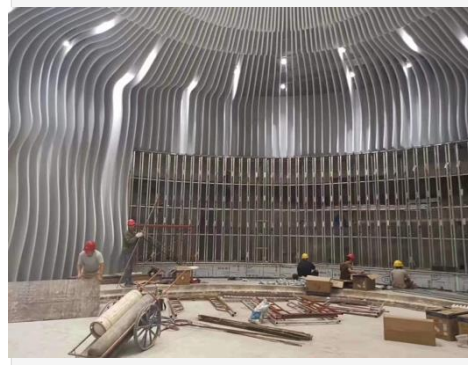
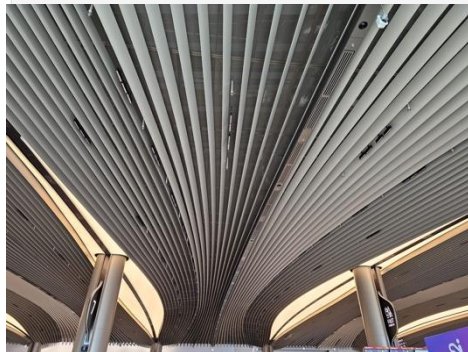
Commercial Buildings

Lobby & Frontage



CHALLENGE

Developers need iconic frontage that attracts tenants and increases asset value while meeting strict engineering standards.



OUR APPROACH

- Signature aluminium façades & curtain wall
- High-durability systems for high-traffic environments
- Wind-load & structural performance engineering
- Bespoke architectural finishes for building identity



IMPACT



Transforms buildings into landmarks and strengthens long-term asset value.

03

Hospitality & Hotels

Lobby & Frontage



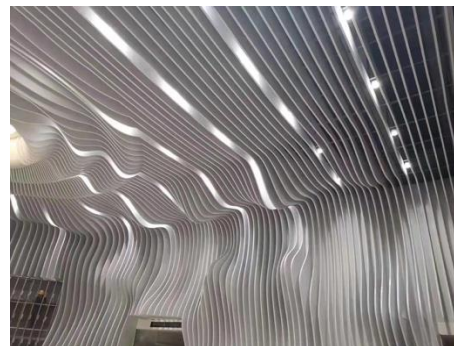
CHALLENGE

Hospitality spaces require luxury aesthetics, acoustic comfort, and durability — all at once, without compromise.



OUR APPROACH

- Decorative aluminium panels with premium finishes
- Acoustic ceiling & wall systems for quiet luxury
- Fire-rated & hospitality compliance systems
- Seamless integration with interior designers



IMPACT



Creates memorable first impressions and elevates brand positioning in the luxury hospitality market.

04

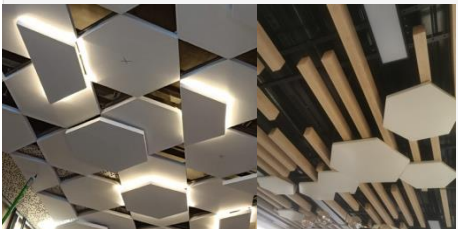
Entertainment & Lifestyle

Resorts, Country Clubs, Private Clubs



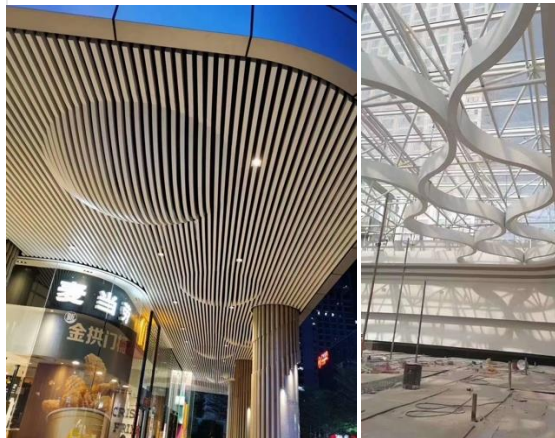
CHALLENGE

Entertainment venues suffer from acoustic distortion, heavy wear, and inconsistent spatial identity under high usage.



OUR APPROACH

- Advanced sound-absorbing aluminium acoustic systems
- Durable yet visually expressive feature ceilings
- Thematic architectural integration for experiential design
- High-capacity engineering for continuous crowd usage



IMPACT



Enhances sound clarity, guest experience, and venue longevity — driving repeat visitation and revenue.

05

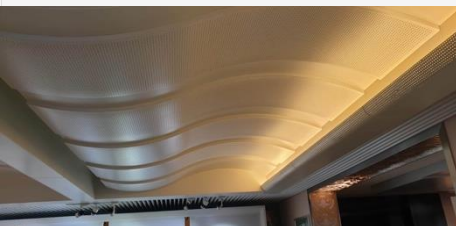
Infrastructure & Transit

MRT, Rail, Highways, Airports



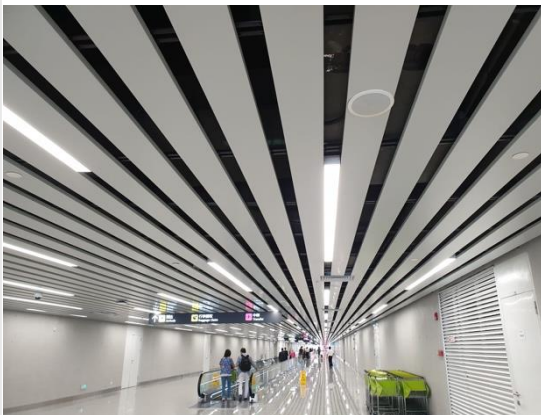
CHALLENGE

Public infrastructure demands extreme durability, fire safety, and ultra-low maintenance at massive national scale.



OUR APPROACH

- High-strength cladding & modular panel systems
- Vibration-resistant & wind-load engineered solutions
- Fire-rated & public safety-compliant materials
- Acoustic control for transit environments
- Rapid-install modular systems for maintenance



IMPACT



Delivers future-ready infrastructure with optimised lifecycle cost and long-term operational resilience.

06

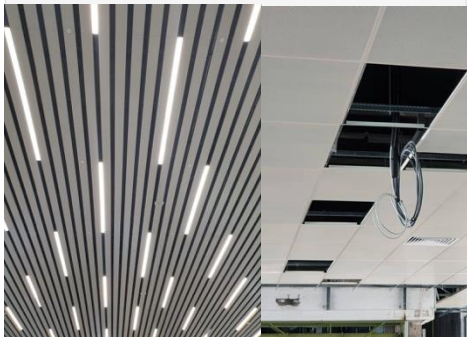
Healthcare, Education & Public

*Hospitals, Universities, Schools,
Government*



CHALLENGE

These environments require strict hygiene, safety compliance, acoustic control, and long-term durability simultaneously.



OUR APPROACH

- Anti-bacterial & easy-clean surface systems
- Acoustic control panels for learning & recovery
- Fire-rated & safety-certified architectural systems
- Modular, low-maintenance interior & façade solutions
- Human-centric calm design for wellbeing



IMPACT



Improves healing environments, learning outcomes, and public service efficiency.

07

Smart Cities & Urban Realm

*Public Spaces, Transport Hubs, Civic
Landmarks*



CHALLENGE

Cities require durable, adaptive, and visually coherent materials for evolving urban ecosystems and civic identity.



OUR APPROACH

- Smart-integrated façade & shading systems
- Climate-responsive aluminium structures
- Sustainable, recyclable systems for ESG goals
- Urban wayfinding, canopy & public space design
- Integration with lighting, sensors & digital infrastructure



IMPACT



Shapes future-ready cities
that are sustainable,
connected, and visually iconic.

08

Industrial & Mission-Critical

Data Centres, Industrial Facilities, Energy



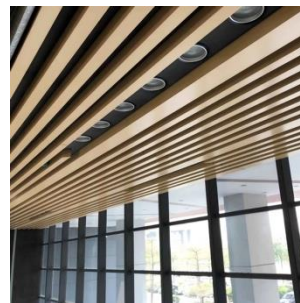
CHALLENGE

Mission-critical facilities require heat management, fire safety, speed of construction, and zero-failure architectural systems.



OUR APPROACH

- Fire-resistant & heat-dissipating panel systems
- High-precision modular construction for rapid deployment
- Acoustic & vibration control for sensitive operations
- Corrosion-resistant systems for industrial environments
- Scalable façade & interior systems for large facilities



IMPACT



Enables stable, efficient, and scalable infrastructure for the digital and industrial economy.

4 Integrated Value Propositions

Our eight delivery pillars are unified by four powerful value layers — each addressing a distinct dimension of what a built environment must achieve.

01

**Performance
Systems**

***How spaces
function***

"We make spaces perform better — functionally, acoustically, and structurally."



02

**Identity
Systems**

***How spaces are
perceived***

"We turn buildings into brands and spaces into identity statements."



03

**Durability
Systems**

***How spaces
survive time***

"We build for decades, not projects."



04

**Future
Systems**

***How spaces
evolve***

"We enable the next generation of cities."



Performance Systems & Identity Systems

01 Performance-Driven Built Environment Systems



"We make spaces perform better — functionally, acoustically, and structurally."

We deliver integrated aluminium architectural systems that improve how buildings and infrastructure perform under real-world conditions — noise, heat, vibration, crowd load, and time.

Key Outcomes:

- Acoustic comfort and measurable noise reduction
- Thermal and environmental stability
- High-traffic durability and safety compliance
- Improved user experience and productivity
- Reduced maintenance and lifecycle cost

We are a performance engineering company for built environments — not a materials supplier.

02 Architectural Identity & Brand Transformation



"We turn buildings into brands and spaces into identity statements."

We transform architecture into a visual and emotional brand experience, where façades, interiors, and lobbies communicate identity, prestige, and value.

Key Outcomes:

- Iconic façade and frontage design
- Strong corporate or venue branding expression
- Premium spatial experience for users and visitors
- Increased property and long-term asset valuation
- Differentiation in competitive real estate markets

We design buildings that communicate value before a word is spoken.

Durability Systems & Future Systems

03 Infrastructure-Level Durability & Lifecycle



"We build for decades, not projects."

We deliver aluminium systems engineered for longevity, resilience, and lifecycle efficiency in demanding public and industrial environments — prioritising lifecycle performance over initial construction cost.

Key Outcomes:

- Fire, wind, vibration, and corrosion resistance
- Low maintenance and optimised operational cost
- Long lifecycle performance reliability
- Regulatory and safety compliance at scale
- High structural integrity in extreme conditions

We engineer infrastructure-grade architecture for every environment.

04 Future-Ready Smart & Sustainable Urban Systems



"We enable the next generation of cities."

We integrate aluminium systems into future urban ecosystems, where sustainability, smart technology, and adaptive architecture converge — designing systems that are digitally adaptable, environmentally responsible, and future-scalable.

Key Outcomes:

- ESG-compliant sustainable material systems
- Recyclable and circular economy alignment
- Smart integration with lighting, sensors & digital
- Climate-responsive and adaptive architectural design
- Future-proof urban adaptability and scalability

We are building systems for cities that have not been fully imagined yet.

Our Strategic Differentiator

"We combine structural engineering, acoustic science, and architectural design into a single integrated solution."

I



Structural Engineering

Precision fabrication, load-bearing performance, wind resistance, and dimensional accuracy at every scale.



II



Acoustic Science

Sound insulation, absorption, and reverberation control integrated directly into the architectural system.



III



Architectural Design

Aesthetic excellence, identity expression, and spatial experience woven into every system we deliver.

PERFORMANCE → How spaces function



IDENTITY → How spaces are perceived

DURABILITY → How spaces survive time



FUTURE → How spaces evolve

GET IN TOUCH

Contact Us



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