



Asahi India Glass Ltd.

# CLARITI

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LET'S TALK GLASS

## **COVER STORY:**

**AIS' Legacy of Continuous Innovation and Product Evolution**

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## **INSIDE INFO:**

**AIS at Key Industry Events Driving Conversations on Sustainability**

## **CASE STUDY:**

**DLF Downtown: A New Benchmark for Workspaces in Chennai with AIS Pyrobel (FRG)**

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## **FRESH NEWS:**

**AIS Introduces Ecosense Edge Natura 70 - High Performance Solar Control Low-E glass**



## In the CMO's Words



**Dear Readers,**

Welcome to the final edition of **AIS Clariti** for this financial year, where we continue our exploration of how thoughtful design and performance-led innovation are shaping the built environment. Over the past editions, we have examined sustainability, material performance, and the evolving demands of modern architecture.

As climate urgency and urban density increase, the role of materials has never been more critical. This evolving landscape calls for solutions that not only address present challenges but also contribute meaningfully to the long-term resilience of our built environment. This closing edition reflects that commitment and brings together the ideas that have defined our journey this year.

Our **Cover Story** traces the evolution of coated glass in India and the growth of the AIS Ecosense portfolio. Designed for long-term climate resilience, AIS Ecosense High Performance Glass brings together

solar control, thermal insulation, optimal daylight, and material efficiency across applications.

This issue's **Case Study** looks at **DLF Downtown, Chennai**, where **AIS Pyrobel-T fire-resistant glass** enables large, transparent lobby entrances that integrate safety seamlessly into contemporary workplace design.

In **Spotlight on Excellence**, we are showcasing two projects: firstly, a premium residence executed with **Vipsar Solutions** featuring **AIS Insulated Glass Units** and secondly, a Nagaland, home with customised **AIS uPVC sliding systems**. Both highlight durability, robust performance, and refined residential comfort.

In **Inside Info**, we share AIS' engagement at platforms such as the **GRIHA Summit**, **FOAID**, **MES Technical Seminar**, **CIA World Construction and Infra Awards** and **IGBC Green Building Congress**, reinforcing our commitment to innovation and sustainability.

Under **Fresh News**, we introduce **AIS Ecosense Edge Natura 70**, the latest addition to the AIS High Performance glass portfolio, designed to deliver optimal daylight with effective solar control and thermal insulation for future-ready spaces.

Across these stories, one principle remains constant. At AIS, innovation is guided by judgment, choosing relevance over excess and long-term performance over short-lived trends.

I hope you find this edition insightful and inspiring. As always, we value your feedback and look forward to continuing this conversation. As we close this year's final edition, we also look ahead to new ideas, fresh perspectives, and meaningful innovations in the year to come.

A handwritten signature in black ink that reads "Vikram Khanna". The signature is written in a cursive, flowing style.

**Vikram Khanna**  
CMO

COO - Consumer Glass and  
Architectural Glass  
**Asahi India Glass Ltd (AIS)**

# Developing Glass

## for Tomorrow:

### How AIS invests in New Product Development and Innovation



In an industry where innovation is often reduced to incremental specifications, Asahi India Glass Ltd. (AIS) has taken a more purposeful view. For AIS, innovation is measured not by novelty, but by how glass performs in India's climate and buildings.

This approach has shaped AIS' vision of building safer, smarter, and more sustainable environments. Over the years, AIS has played a key role in advancing coated glass in India, continually evolving technologies to improve real-world performance across applications. This journey led to the development of AIS Ecosense,

a comprehensive range of high-performance coated glass solutions designed specifically for Indian conditions.

#### **The Evolution of High Performance Glass Solutions in India**

Glass Solutions in India have progressed from basic clear and tinted solutions to advanced coated technologies. As buildings grew more complex and demand for energy efficient solutions increased, AIS re-examined what performance should mean in a tropical context.

India's climate presents a unique challenge. With relatively moderate indoor-outdoor



New Naresh Hotel, Raebareli



Pramanik Dadar, Mumbai

radiation, controlling solar heat gain is far more critical than extreme insulation. AIS' research reinforced that effective solar control, optimal daylight, and practical efficiency deliver the greatest comfort and energy benefits in Indian buildings.

This insight shaped the AIS Ecosense range. Each product within the portfolio is engineered to manage heat ingress, optimise daylight, and support long-term energy performance while remaining practical for real-world use.

## A Portfolio Built on Climate Relevance

For projects where aesthetics and performance must coexist, **AIS Exceed Platina** sets the standard. This advanced double-glazing solution is built for architects and developers who refuse to trade beauty for efficiency. At the heart of the range, **AIS Spectra** delivers superior selectivity for demanding façades, offering exceptional solar control and reduced heat gain for buildings that need to perform as well as they look.

**AIS Edge Natura** brings flexibility across SGU and DGU applications, while **AIS Edge Chroma's** distinctive green tint adds visual character without sacrificing thermal comfort.

Topping the portfolio, **AIS Edge Natura 70** is a breakthrough in architectural glass that redefines the balance between natural light, performance, and aesthetics. With unmatched selectivity of 1.15, it delivers best-in-class daylighting, seamlessly blending comfort with energy efficiency a true reflection of AIS' commitment to innovation and sustainable advancement. Balancing natural daylight with energy efficiency in a single pane. Together, along with other products from the Ecosense range is a clear statement of AIS' commitment to innovation and sustainable design.

## Looking Ahead

As cities grow and energy efficiency becomes central to design, coated glass will continue to shape building performance. AIS remains committed to advancing the Ecosense range with the same focus on balance, relevance, and long-term sustainability.

Trends may evolve, but buildings endure for decades. For AIS, true innovation lies in solutions that perform consistently over time, improving comfort, reducing energy use, and supporting responsible construction.

# DLF Downtown: A New Benchmark for Workspaces in Chennai with AIS Pyrobel (FRG)

Rising across a 27-acre campus in Taramani, Chennai, **DLF Downtown** has been envisioned as a new benchmark for integrated commercial environments. Developed by DLF in association with **TIDCO (Tamil Nadu Industrial Development Corporation)** and master planned by **RSP Designs, Chennai**, the project reflects a contemporary approach to workplace architecture. Designed with sustainability-led planning and a strong emphasis on occupant well-being, the development brings together thoughtful infrastructure and future-ready design. With over 10 million sq. ft. planned at full build-out, the project demonstrates a commitment to openness, durability, and long-term performance in equal measure.

Within this expansive campus, the lift lobbies were conceived as more than functional connectors. They were designed as generous, light-filled transition spaces that set the tone for the entire building experience. The architectural brief called for full-height, three-metre glazed doors with side partitions, maintaining a seamless and transparent appearance free from horizontal transoms. At the same time, these systems needed to meet stringent fire-safety regulations and endure the wear of constant commercial use. Achieving transparency, scale, and certified fire resistance within a single system presented a significant design and engineering challenge.

AIS addressed this requirement by specifying **AIS Pyrobel-T 16**, a high-performance fire-resistant glass developed for demanding commercial applications. Working in close coordination with RSP Designs and Door Manufacturing Partner **I-clean Hollow Metal**

**Pvt. Ltd.**, AIS enabled the creation of tall, uninterrupted glazed door assemblies that preserve visual continuity while meeting rigorous fire-resistance standards. The elimination of intermediate framing allows the glazing to read as a single, continuous surface, ensuring that safety features are seamlessly embedded within the design rather than being visually imposed upon it.



AIS Pyrobel Lift Lobbies, DLF Downtown, Chennai

Beyond regulatory compliance, the installation enhances the overall spatial quality of the lobbies. The full-height glazed doors strengthen visual connections across floors and support the sense of openness central to contemporary office environments. The result is a carefully balanced solution where performance is robust yet discreet, and where fire safety becomes an integral architectural attribute rather than a visible constraint.

By aligning advanced fire-safety engineering with architectural clarity, AIS has contributed to a solution that complements DLF Downtown's broader vision: workspaces that are safe, efficient, and built to perform over decades. The project stands as an example of how specialised glass solutions can support design ambition while meeting the practical demands of high-performance commercial environments.

# Spotlight on Excellence!



## Residential Showcase, Ludhiana: Precision glazing for a refined modern residence

This premium residential project was executed in collaboration with **Vipsar Solutions** and designed by **Ar. Jafar Chaudhary, Habitat Architect (Ludhiana)**. AIS worked closely with the partner team to finalise glass specifications with a focus on durability, safety, and performance. This project involved the execution of L-shaped windows and

step-glazing, with technical support provided through detailed drawings and glazing guidance to ensure smooth on-site installation. The project was completed using clear **AIS Insulated Glass Units** with black spacers, delivering a refined aesthetic along with reliable performance.



consumer  
glassolutions

# Spotlight on Excellence!



## Residential Villa, Nagaland:

Customised uPVC Window solutions for everyday comfort and durability.

In Seithekema, a village in **Chümoukedima, Nagaland**, AIS Windows installed **uPVC sliding doors and windows** in white profile, paired with **AIS Stronglas (Tempered Glass)**, to complement a modern, low-maintenance residence. Tailored to the client's requirements and installed after the completion of civil work, the systems were designed

to deliver durability, smooth operation, and everyday comfort. Completed on schedule, the project reflects AIS' commitment to quality craftsmanship and coordinated execution, with the client expressing appreciation for both the product performance and the seamless installation by the AIS Windows team.



**Windows**  
uPVC & Aluminium

# AIS at Key Industry Exhibitions Driving Conversations on Sustainability

In the closing months of 2025, Asahi India Glass Ltd. (AIS) reinforced its position as a thought leader in performance driven construction and sustainable building solutions through active participation in key industry platforms.

AIS began this engagement at the **17<sup>th</sup> GRIHA Summit 2025**, held in early November in New Delhi. Aligned with the theme Innovate to Act for a Climate Resilient World, the company showcased its eco-friendly and energy efficient glass portfolio, highlighting the role of advanced glazing in climate responsive design and improved energy performance.

This was followed by participation in the **IGBC Green Building Congress 2025** from 27<sup>th</sup> to 29<sup>th</sup> November in Mumbai, where discussions focused on net zero ambitions and the growing importance of high-performance materials in creating greener

built environments. AIS demonstrated how innovation in glass technology can support sustainability goals while maintaining design flexibility.



Military Engineer Services (MES) Technical Seminar



Festival of Architecture and Interior Designing 2025



GRIHA Summit 2025



IGBC Green Building Congress 2025

On 10<sup>th</sup> December, AIS participated in the **MES Technical Seminar** in Delhi, contributing insights on glass durability, system performance, and lifecycle efficiency for public infrastructure projects. Further engagement at platforms such as the **CIA World Construction and Infra Awards** and **Festival of Architecture and Interior Designing (FOAID) 2025** held on 19<sup>th</sup> and 20<sup>th</sup> December in Mumbai, reinforced AIS' belief that performance led material innovation is key to sustainable redevelopment and future ready urban design.

These engagements reflect AIS' continued commitment to responsible construction, material excellence, and climate-responsive building practices.



## AIS Introduces Ecosense Edge Natura 70 - High Performance Glass, Redefining Daylight, Comfort, and Performance

Asahi India Glass Ltd. (AIS) has expanded its High Performance Ecosense Range portfolio with **AIS Edge Natura 70**, a next-generation solution designed to balance daylight, energy efficiency, and visual comfort in modern buildings.

Developed for performance-driven façades, Edge Natura 70 allows optimal natural light while managing heat gain. With 70% visible light transmission and 1.15 selectivity, it delivers a careful balance between visual comfort and energy efficiency for contemporary architecture.

The glass features a neutral appearance with low

internal reflection (6%) and external reflection (11%), ensuring clearer views, reduced glare, and enhanced visual comfort.

Engineered for year-round indoor comfort, AIS Edge Natura 70 offers a solar factor of 61% and U-value of 4.8 W/m<sup>2</sup>K in single glazing, and 2.5 W/m<sup>2</sup>K in double-glazed configurations. This limits heat ingress while contributing to improved energy efficiency.

With AIS Ecosense Edge Natura 70, AIS reinforces its commitment to material innovation, sustainable building practices, and creating future-ready spaces that combine efficiency, comfort, and architectural clarity.

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Have a comment or suggestion? Let us know! Write to us at [seemore@aisglass.com](mailto:seemore@aisglass.com)