



Asahi India Glass Ltd.

CLARITI

AUGUST 2025 | ISSUE 02

LET'S TALK GLASS

COVER STORY

AIS Leading The
Way In Sustainable
Glass Manufacturing

Framing
Bengaluru's New
Standard in
Luxury Villas

Launching
The New
Standard In
Aluminium
Systems:
AIS Regal Neo

INSIDE
INFO:
Discover
The AIS Podcast:
Glass Blueprint



In the CMO's Words



Dear Readers,

It is a pleasure to welcome you to the second edition of the AIS Clariti newsletter. Building on the positive response to our inaugural edition, we continue our journey into the evolving world of glass - spotlighting innovations, sustainable practices, and impactful applications across façades and windows.

In this edition, we highlight AIS' pioneering adoption of Green Hydrogen at our third float glass plant in Soniyana, Chittorgarh, Rajasthan, a first in the Indian glass industry—underscoring our commitment to responsible manufacturing. Our Case Study showcases the Geetanjali UrbanX Earth & Sky Villas project in Bengaluru, where AIS Windows ensured seamless execution

and aesthetic consistency through the AIS Regal Select system and AIS Ecosense Edge Natura Plus glass both of which provide Solar Control and Thermal Insulation. We also feature our successful collaboration with Immacule Lifesciences Pvt. Ltd., Nalagarh, where AIS Swytchglas brought innovation and smart functionality to their facility.

The Spotlight on Excellence covers the installation of our Solar Control Low E glass AIS Ecosense Spectra at Petrapole, reflecting our continued focus on energy-efficient architectural solutions. In Inside Info, we invite you to tune into The AIS Podcast – Glass Blueprint series featuring expert insights on sustainability, fire safety, and innovation in architectural glass.

We are proud to introduce an addition to the range of products under the AIS Windows bouquet - AIS Regal Neo— a sleek, high-performance aluminium system that embodies strength, refined design, and smart value engineering for contemporary spaces.

I hope you find this edition of AIS Clariti both insightful and inspiring. As always, we welcome your feedback and suggestions for topics you would like us to explore in future editions.

A stylized, handwritten signature of Vikram Khanna in black ink.

Vikram Khanna

CMO, COO – Consumer Glass & Architectural
Institutional Business
Asahi India Glass Ltd.

AIS Leading The Way In Sustainable Glass Manufacturing



With the focus on sustainability and green practices being incorporated in everything that we do, Asahi India Glass Ltd. (AIS) is setting new benchmarks in the Indian glass industry. Embracing a future-forward approach, AIS has launched a series of impactful green initiatives ranging from renewable energy adoption to water conservation and green hydrogen use reinforcing its commitment to environmental stewardship.

We are excited to announce our third float plant in Soniyana, Chittorgarh, Rajasthan. Designed to significantly boost production, the facility will meet

94% of its power needs with renewable energy. A state-of-the-art landmark in float glass manufacturing, it exemplifies AIS' expanding capabilities and future-ready approach. This project aligns with our future plans to lead in sustainable practices, reducing our carbon footprint and fostering regional growth.

In collaboration with INOX Air Products, the plant will utilize 95 TPA Green Hydrogen in its first phase, reducing carbon emissions by approximately 1,250 MT annually. AIS' sustainability journey is rooted in data-driven strategies, operational innovation, and a deep focus on reducing its environmental footprint.

Building a Greener Future, One Innovation at a Time

In today's world, sustainability isn't just an option, it's a responsibility. At AIS, this belief drives every decision of ours, from the way energy is harnessed to how resources are preserved. With bold initiatives and pioneering technologies, we are reimagining what it means to manufacture glass responsibly. So, what does sustainability look like in action? For us, it begins with four key pillars:

Pioneering Green Hydrogen

Breaking new ground in the Indian glass industry, AIS has integrated Green Hydrogen into its operations at the Soniyana plant, the first of its kind in the country. This step not only reduces reliance on conventional fuels but also sets a new benchmark for clean, sustainable glass production.

Respecting Every Drop

Water is at the center of AIS' stewardship efforts. Through rainwater harvesting, wastewater recycling, and a zero-groundwater dependency policy, AIS ensures resources are protected for the future. With advanced digital monitoring, every drop is accounted for making efficiency more than just a promise.

Harnessing the Power of the Sun

The sun fuels life, and at AIS, it also powers production. Significant investments in on-site solar energy and waste heat recovery

systems help reduce fossil fuel dependence and maximize renewable energy use, proving that high performance and sustainability can go hand in hand.

Closing the Loop

From recycling water used in cullet washing to creating closed-loop systems for energy, AIS is putting circular economy principles into action. These practices not only cut waste but also ensure operational efficiency demonstrating that sustainability is as much about smart business as it is about protecting the planet.

At AIS, every innovation is a step toward a greener tomorrow shaping not just the future of glass, but the future of sustainable industry itself.

Framing Bengaluru's New Standard in Luxury Villas

AIS Windows at Geetanjali UrbanX Earth & Sky Villas



What was the Challenge?

This premium enclave, spread across nearly 12,000 sq. ft., was envisioned as a community of 54 luxury villas designed to balance comfort, performance, and sustainability. But midway through construction, with only 19 villas completed, the project faced a significant challenge. The need to replicate existing walnut-finish aluminium windows while incorporating high-performance solar control glass posed a challenge that demanded both precision and innovation. Few vendors could meet this demand without compromising on design or efficiency. This is where AIS Windows stepped in, bringing not only technical expertise but also the agility to ensure continuity across the remaining villas.

Understanding the Vision

The first step was to understand the project's unique requirements. In collaboration with a

In the bustling city of Bengaluru, where urban growth often collides with the need for sustainable design, Geetanjali Developers have carved a niche for themselves. Known for their IGBC-compliant practices and a philosophy that integrates architecture with nature, the developer set out to create a landmark project UrbanX Earth & Sky Villas.



trusted channel partner, AIS Windows conducted a thorough site assessment to align with the existing specifications. This diligence ensured that the new installations would blend seamlessly with the completed villas, maintaining both aesthetic harmony and functional performance.

To reinforce confidence in the process, Geetanjali Developers' leadership, including the Managing Director and Vice President, were invited to the AIS Windows Experience Center in Bengaluru. This immersive visit allowed them to explore solutions firsthand, validate product performance, and make informed decisions with clarity and assurance.

A Fusion of Design and Performance

For the UrbanX project, AIS Windows proposed AIS Regal Select sliding aluminium systems, paired with AIS Ecosense Edge Natura Plus glass. Together, these solutions offered a balance of modern aesthetics, durability, and energy efficiency which are key requirements for a premium residential development.

The AIS Regal Select systems are designed to enhance everyday living with slimmer sightlines, taller openings up to 3.55 meters, and concealed beading for added security. Beyond function, they offered a refined, contemporary look, supported by smooth sliding operations and robust finishes built to last.

Complementing these systems, the AIS Ecosense Edge Natura Plus glass brought solar control and superior thermal performance, helping minimize heat gain while maximizing natural daylight. Its neutral aesthetics perfectly matched the villas' design ethos, while its heat-strengthened durability ensured long-term safety and performance.



By partnering with AIS Windows, Geetanjali Developers achieved more than just technical precision. They preserved the integrity of their design vision, upheld green building standards, and delivered a premium living experience that blends comfort, aesthetics, and sustainability.

For the residents of UrbanX Earth & Sky Villas, this collaboration translates into homes that feel seamless in every way where architecture, technology, and nature come together to create spaces designed for modern living.



Where Science Meets Smart Glass

AIS Swytchglas represents a breakthrough in smart glass technology, powered by PDLC (Polymer Dispersed Liquid Crystal) technology similar to LCD displays. Seamlessly integrating with Laminated IGU combinations, it defines state-of-the-art advancements in modern glazing.

Immacule Lifesciences Pvt. Ltd., Nalagarh, Himachal Pradesh, has elevated its high-sensitivity pharmaceutical labs with 48 AIS Swytchglas panels, expertly installed by AIS Glass Solutions. This innovative glass delivers instant privacy at the flick of a switch, ensures stringent hygiene standards, offers remote operability, ensures light control in 'OFF' mode, and provides superior acoustic insulation—creating secure, distortion-free environments critical for advanced research.

By embracing AIS Swytchglas, Immacule Lifesciences demonstrates how cutting-edge technology and precision can redefine pharmaceutical infrastructure with innovation and efficiency.

Spotlight on Excellence!



Petrapole LP, India - Bangladesh Border Enhanced by AIS Ecosense Spectra DGU

The Petrapole Land Port, South Asia's largest land port, is a critical hub for trade and passenger transit between India and Bangladesh, located about 80 kilometers from Kolkata. Integral to this project's design is the use of 11,000 square meters of AIS Ecosense Spectra, tailor-made for India's tropical climate. This superior solar control glass ensures indoor comfort and is

50% more efficient in thermal conduction compared to standard glass. With a high selectivity of 1.6, a low Solar Heat Gain Coefficient (SHGC) of 0.25, and an optimal light transmission of 40%, AIS Ecosense Spectra stands as a green-rated solution, that perfectly aligns with the port's sustainable development goals.



The AIS Podcast: Glass Blueprint

Dive into Design and Innovation

Glass is no longer just a building material; it's a design revolution. The Glass Blueprint Podcast Series by AIS takes listeners inside this world of transformation, exploring how glass shapes architecture, sustainability, and innovation. Featuring conversations with industry leaders, the series unpacks both the science and the style of modern glass.

Episode Highlights

Episode 01: Glass Trends & Sustainability

Mr. Shailesh Ranjan Gupta sheds light on how glass has evolved beyond aesthetics to play a crucial role in sustainable building practices, highlighting AIS' commitment to a greener tomorrow.



Episode 02: Fire-Resistant Glass

Mr. Tushar Zope discusses how fire-resistant glass is setting new standards in safety while maintaining the elegance that architects and designers seek.



Episode 03: Edge of Innovation

Returning to the mic, Mr. Shailesh Ranjan Gupta explores the future of architectural glass from power-generating facades to self-cleaning surfaces that redefine possibilities.

The Glass Blueprint Podcast Series is available on AIS' YouTube channel (@aisglass) and Spotify. Each episode offers fresh insights into glass that's quietly reshaping our world helping listeners view glass not just as transparent, but as transformative.



The Future of Aluminium Systems: AIS Regal Neo

AIS Windows proudly unveils AIS Regal Neo, the latest innovation in aluminium systems designed to meet the evolving needs of contemporary homes and workspaces.

Crafted from premium T6-6063 high-grade aluminium, AIS Regal Neo strikes the perfect balance between strength, minimal aesthetics, and lasting durability. Its clean design ensures no visible screws, seamless edges, and smooth functionality, bringing understated elegance to every installation.

Design is only part of the story. AIS Regal Neo is also engineered to deliver robust

security, superior weather resistance, and effortless usability, making it as practical as it is stylish. Supporting up to 65kg door panels, these systems ensure cost efficiency and come with versatile handles for smooth, safe operation. Enjoy slimmer sightlines for brighter spaces and enhanced security with a multi-point locking system and safety accessories. Available in a wide range of colors, from elegant White and bold Noir Grey to luxurious Golden Desert and classic Walnut, these designs suit any decor style, redefining modern living with style and security.

When paired with optimal glass solutions, it delivers effortless performance with a sleek, streamlined profile.

www.aisglass.com Follow us on:     



To experience glass like never before, download the AIS app now!



Have a comment or suggestion? Let us know! Write to us at seemore@aisglass.com