

SmartPro Launches Next-Gen Smart Glass Solutions for Modern Workspaces and Smart Homes

SmartPro Unveils Its Most Advanced PDLC Smart Glass Yet — Combining Instant Privacy, Energy Efficiency, and Smart Connectivity for Workspaces and Homes Across the UK



Watford, Hertfordshire Oct 31, 2025 ([Issuewire.com](https://www.issuewire.com)) - SmartPro, a UK-based provider of smart glass and [smart film technologies](#), proudly announces the launch of its next-generation switchable glass solutions, redefining privacy, design, and energy efficiency for the modern workspace and the connected smart home. This new range demonstrates SmartPro's commitment to sustainable innovation, advanced design integration, and user-centric technology for architects, designers, and homeowners across the United Kingdom.

Redefining Privacy in the Modern Age

In an era where flexibility, privacy, and sustainability are paramount, SmartPro's next-gen PDLC (Polymer Dispersed Liquid Crystal) smart glass delivers an instant transition from transparent to opaque in less than a second. Designed to cater to the growing demand for adaptable interiors, the new solution offers privacy on demand, reducing the reliance on traditional curtains or blinds and providing a sleek, contemporary aesthetic suitable for offices, homes, and healthcare settings alike.

"Our mission has always been to push the boundaries of what glass can do," said the Managing

Director of SmartPro. *“With our latest generation of smart glass, we’re not only enhancing visual and functional appeal but also addressing energy efficiency, data security, and smart integration, all key pillars of the modern built environment.”*

Innovation Rooted in Technology

SmartPro’s next-generation range builds upon its proven PDLC technology, incorporating refined optical clarity, improved film adhesion, and enhanced power efficiency. Using high-grade raw materials sourced from Japan, the new SmartPro panels achieve more than 87% parallel light transmittance, ensuring ultra-clear visibility when transparent and complete privacy when opaque.

The technology behind the glass operates through the alignment of liquid crystal molecules that scatter light in their natural state (“off”) and align when an electric current is applied (“on”), rendering the surface transparent. This innovation makes it an ideal solution for open-plan offices, meeting rooms, residential spaces, and even healthcare environments where hygiene and discretion are essential.

Smart Integration for Modern Living

As part of SmartPro’s vision for connected living, the new switchable glass solutions are fully compatible with smart home and office automation systems. Users can easily control transparency through a smartphone app, smart panel, or voice assistant, seamlessly integrating privacy management into daily life.

“Our products are designed for simplicity and control,” added the spokesman of SmartPro. *“From architects designing open workspaces to homeowners seeking flexible comfort, SmartPro offers a solution that adapts to your lifestyle while promoting energy-efficient design.”*

Sustainability and Energy Efficiency at the Core

Energy performance remains a defining feature of SmartPro’s next-gen offerings. The new range can reduce heating and cooling costs by up to 30%, supporting environmentally conscious design practices and helping users lower their carbon footprint. By controlling solar gain and minimising the need for artificial lighting, SmartPro glass not only enhances comfort but also contributes to long-term operational savings.

The [smart glass](#) consumes less than 5W per square metre, making it one of the most energy-efficient solutions of its kind on the UK market. Its long lifespan, exceeding 80,000 operational hours, ensures durability, reliability, and sustainability for commercial and residential applications.

Flexible Options for Every Project

SmartPro’s new product portfolio offers flexibility for diverse installation needs:

- **Self-Adhesive Smart Film:** Ideal for retrofitting pre-installed windows, providing an affordable and fast upgrade path to smart functionality.
- **Smart Switchable Glass Panels:** Integrated glass solutions offering seamless performance and premium design for new-build projects.
- **Decorative Smart Glass:** Combining form and function, this variant allows for custom designs and patterned finishes suitable for luxury interiors and boutique environments.

These options make SmartPro's technology accessible for a wide range of applications, from corporate offices and hotels to residential homes, clinics, and retail spaces.

Supporting Architects and Designers

Understanding the growing role of technology in modern architecture, SmartPro continues to collaborate closely with architects, interior designers, and developers across the UK. The company offers tailored consultation, product customisation, and installation services to meet specific project requirements.

Seamless Installation and Aftercare

Every [SmartPro](#) installation is handled by a dedicated team of technicians, ensuring precision, efficiency, and minimal disruption. From initial site surveys to post-installation support, SmartPro maintains a comprehensive service model. The company's self-adhesive smart films, in particular, are designed for quick, mess-free installation on pre-existing glass surfaces, ideal for retrofitting offices and homes without structural changes.

A Future-Focused Vision

The launch of this next-gen range represents more than a product update. It signifies SmartPro's forward-thinking approach to sustainable design and intelligent living. As the UK continues to embrace smart technology across industries, SmartPro stands at the forefront, providing practical, energy-efficient, and visually appealing solutions for the spaces of tomorrow.

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