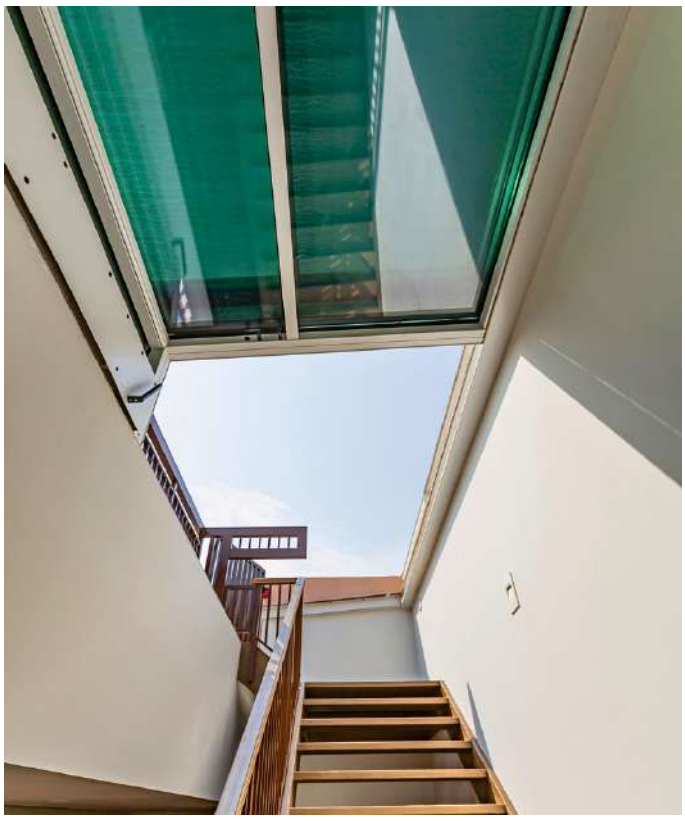
ARKI LIBART

LeanTo Retractable Structure System
at **Sur La Mer Project**

TRANSFORM YOUR ROOF INTO LIVING SPACES

WHO WE ARE

Libart is the leading global brand in operable architectural solutions, utilizing aluminum, glass, and mechanical systems. Libart's retractable structures provide the convenience of transforming spaces between indoor and outdoor within minutes. Used in hotels, restaurants, shopping malls, recreational centers, swimming pools, and large-span vertical opening windows, doors, and curtain wall windows, Libart's retractable systems offer versatile solutions for various spaces.

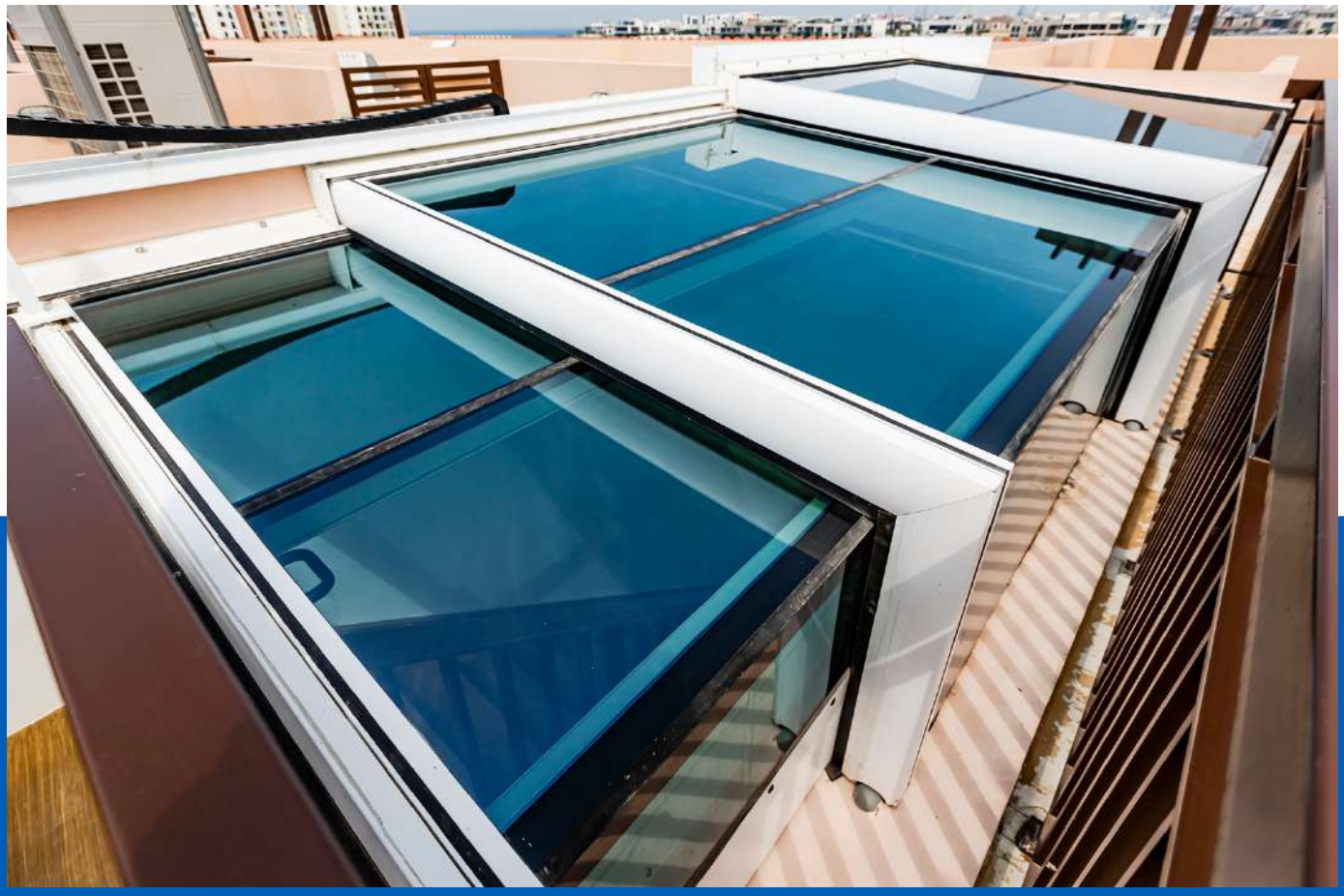


PROJECT BACKGROUND:

In the realm of motion in architectural solutions, Libart embarked on a groundbreaking venture at Sur La Mer, designing and producing 147 distinct Roof Access Hatch products tailored for residences, villas, and homes. Faced with the distinctive weather challenges of Dubai, the project aimed to elevate the living experience by integrating Libart's LeanTo Retractable System into the roofs of these prestigious residences.

Strategic customization did not ignore the region's scorching temperatures, intense sunshine, cool evenings, and occasional sandstorms. This case study meticulously examines the distinctive features of this transformative project, shedding light on how Libart's innovative solutions not only met but exceeded the expectations of homeowners in Sur La Mer, redefining the concept of functional living spaces.

UNVEILING THE ESSENCE: PURPOSE, CHALLENGES



Purpose: Libart's purpose was to design the access roof hatch with easy access —an innovative solution by Libart's LeanTo Retractable Structure System. It was to increase natural sunlight, improve lighting in homes, provide ventilation, and, most importantly, transform the roofs into additional living spaces.

The Challenge: The Sur La Mer Project presented the unique challenge of creating customized Roof Access Covers for 147 different residential structures.

LIBART'S SOLUTIONS

LEANTO - ATTACHED ENCLOSURES
RETRACTABLE STRUCTURE

Project Name: Sur La Mer

Location: Dubai / UAE

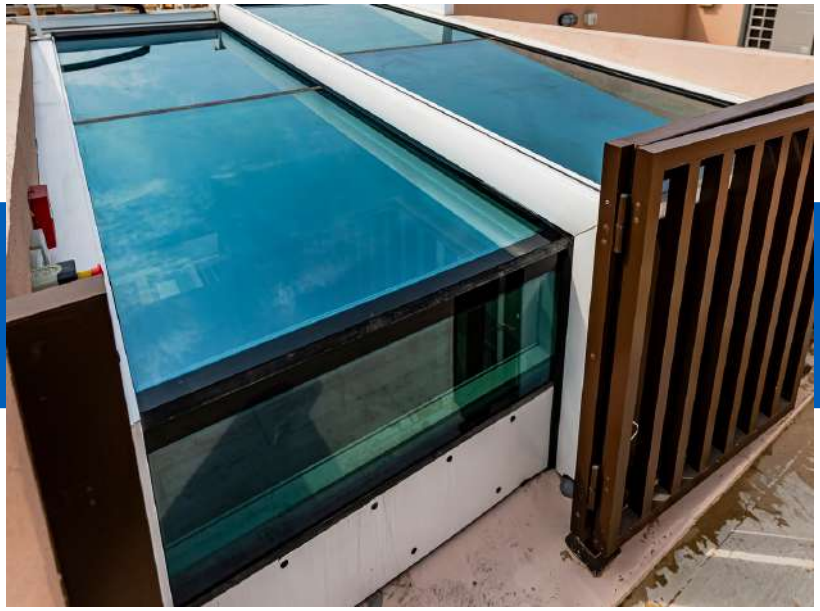
System: LeanTo Retractable Structures

Solution: Residential

Size: One side retraction (EL: R3)
3.2m x 2.2m span & 6.3m x 2.2m span for total of 147 different sizes

Glazing: 6mm Grey Tinted + 16mm Air + 6mm Emicool Solite Neutre 71/42 Clear

Project Number: 10006



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PROJECT OVERVIEW:

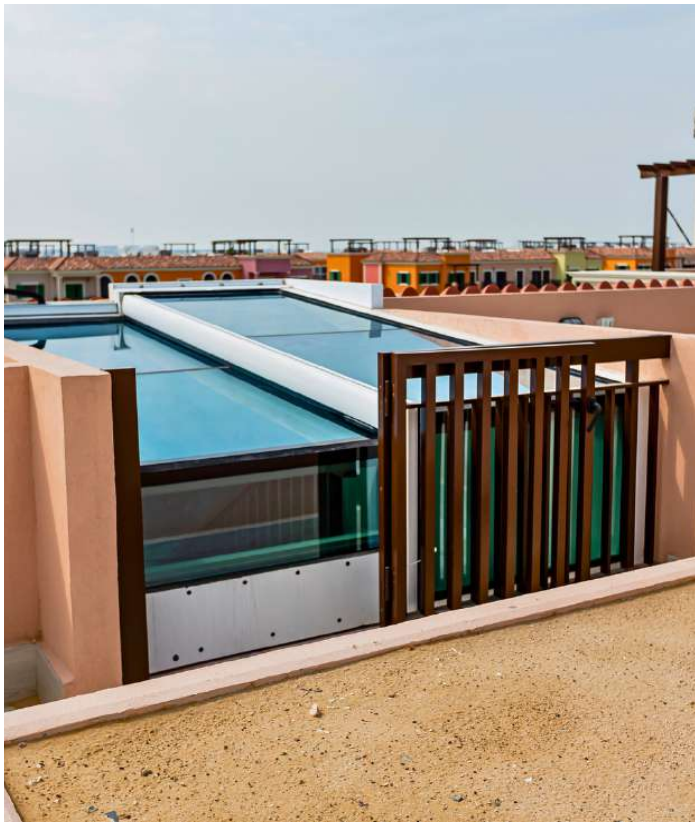
The LeanTo Retractable System, at the heart of this transformation, introduced a paradigm shift in roof design. This system seamlessly integrates rooftops into the living environment, offering an easy and accessible transition from indoor to outdoor spaces. The innovative easy access to the roof became a key feature, emphasizing Libart's commitment to creating solutions that enhance the overall lifestyle of residents.

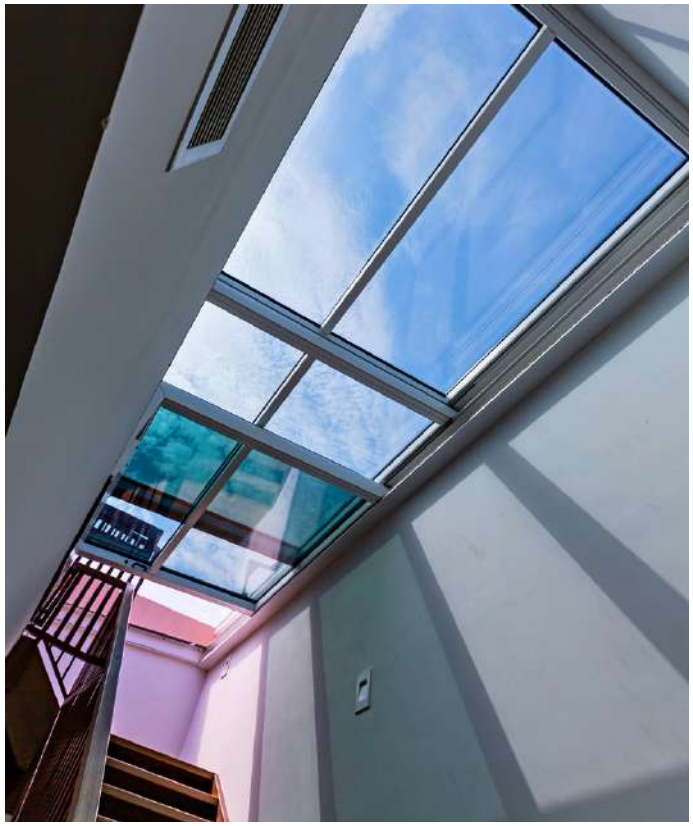
The Sur La Mer Project, located in the vibrant city of Dubai, posed a distinctive challenge for Libart, requiring the creation of 147 bespoke **Roof Access Hatch** products for a diverse range of residences, villas, and homes.

Libart's purpose was to not only meet the varied needs of each housing structure but also to design the access roof hatch with easy access an innovative solution by **Libart's LeanTo Retractable Structure System.**

The objective was clear: enhance the quality of living by maximizing natural light, providing improved ventilation, and transforming conventional rooftops into dynamic living spaces. Libart's comprehensive approach involved direct communication with project owners, resulting in individualized designs for each structure. The project aimed not only to meet but to exceed the expectations of homeowners in terms of functionality, aesthetics, and sustainable living.

Throughout the project, Libart prioritized energy efficiency, incorporating elements that contribute to reduced reliance on artificial lighting and ventilation systems. The LeanTo Retractable Structure System's adaptability showcased its versatility, breaking away from conventional designs and setting a new solutions for architect in Dubai. By seamlessly merging innovation with functionality, Libart has left an enduring mark on the skyline of Dubai, setting a precedent for future architectural endeavors in the region.





PROJECT KEY FEATURES

TEMPERATURE REGULATION:

Libart's LeanTo system effectively shields residents from Dubai's sweltering temperatures. With the ability to retract the roof at the touch of a button, homeowners can create a comfortable environment by regulating the amount of sunlight and heat entering their living spaces.

SUNLIGHT-REFRACTION TECHNOLOGY:

The LeanTo Retractable Structure Systems's innovative glass roof, equipped with sunlight-refracting technology, protects occupants from the intense rays of the sun. This ensures that natural light floods the interiors while minimizing the scorching effect of daylight, contributing to a more pleasant living environment.

PROTECTION FROM SANDSTORMS & HARSH WINDS:

The retractable nature of the LeanTo Retractable Structure system proves invaluable in safeguarding homes against Dubai's occasional sandstorms and strong winds. Residents can easily close the roof with a single press of a button, creating a protective shield against airborne particles and gusty winds.

CLIMATE ADAPTABILITY:

Recognizing Dubai's diverse climate, the LeanTo Retractable Structure system acts as a barrier against the cold evening air, providing insulation and warmth during cooler periods.

It serves as a versatile solution that adapts to the fluctuating weather conditions, enhancing the year-round livability of Sur La Mer residences.

RESULTS

Libart's LeanTo Retractable Structure has not only transformed the living spaces in Sur La Mer Residences but has also proven to be an adaptive solution to Dubai's distinctive climate challenges. Homeowners now have the ability to seamlessly manage their indoor environments, ensuring comfort and safety in the face of extreme weather conditions.

CONCLUSION

In summary, the Sur La Mer Project, fueled by Libart's groundbreaking LeanTo Retractable Structure System, marks a significant milestone in reshaping contemporary living environments. Crafted with precision to address the unique challenges of 147 distinct housing structures, the custom Glass Roof Access Hatch solutions have not only met but exceeded expectations, enhancing the residents' daily lives. Libart's unwavering commitment to purpose-driven design and innovative solutions shines through, leaving an indelible mark on the Sur La Mer skyline.

As a testament to the seamless fusion of form and function, this case study underscores the transformative impact of Libart's architectural prowess. The Sur La Mer Project becomes a beacon for those seeking bespoke solutions that prioritize modern living, energy efficiency, and a harmonious blend of indoor and outdoor spaces. In the ever-evolving landscape of architectural innovation, Libart continues to lead the way, with the Sur La Mer Project serving as a shining example of the endless possibilities when purpose, challenges, and innovative solutions converge.

ARKI LIBART

MOTION IN ARCHITECTURE

CONTACT

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