

# WORTH & ASSOCIATES

IMAGINE | THE WAVE | THE GREAT WIDE | SIX SENSES LA SAGESSE

## The Wave, Athens

The reconstruction of a seven-story office building on Syngrou Avenue in Athens is a landmark project that redefines the urban landscape.

## Six Senses Resort

The luxury hotel group Six Senses, renowned for its sustainable and innovative developments, has made its Caribbean debut with the breathtaking La Sagesse resort.

## Exclusive Partnership

Worth Aluminium is thrilled to announce an exclusive partnership with ALUMINCO RSA, creating a bespoke platform that integrates design, procurement, and manufacturing to the highest international standards.



## IMAGINE BEYOND POSSIBILITY

WORTH Associates & Aluminium in exclusive partnership with ALUMINCO RSA provides a bespoke platform encompassing the worlds of design, procurement and manufacturing to the highest international standards. Locally!

### *Our Global Presence*

- 42 YEARS OF HISTORY with consistency and innovation!
- 60 COUNTRIES PRESENCE in Europe, Africa, Middle East, Australia, and America!
- 500 R&D SOLUTIONS in modern projects of high standards!
- 2500 POINTS OF SALE make up a strong sales network worldwide!
- 35000 TONS OF ALUMINIUM our production capacity per year!



## OUR VISION

### *Empowering Possibilities, Elevating Spaces*

Worth Associates & Aluminium envisions a world where architectural boundaries are limitless, and spaces are elevated to new heights of beauty, functionality, and sustainability. By harnessing cutting-edge technology, creative ingenuity, and a deep understanding of design, we aspire to be the pioneers in setting new standards for aluminium or doors and windows. Our vision encompasses creating spaces that inspire, enrich, and seamlessly blend with the surrounding environment. Through unwavering dedication to innovation, craftsmanship, and a sustainable future, we envision Worth Aluminium as a beacon of excellence that shapes architectural marvels and transforms the way people experience the world around them.

## GLOBAL PROJECT FEATURE

### *The Wave, Athens, Greece*

### *About The Wave Project*

#### **Project Overview**

The reconstruction of a seven-story office building on Syngrou Avenue in Athens is a landmark project that redefines the urban landscape. This key location on Syngrou Avenue, a major artery in Athens, is home to numerous commercial activities, office buildings, and hotels. The architectural identity of the building is central to its role in shaping both the urban and cultural landscape, serving as a primary means of communication and establishing the building as a landmark.

#### **Architectural Concept**

Designed by Tsolakis Architects, the new facade, named "The Wave," is inspired by the perpetual motion of Syngrou Avenue. This dynamic design translates into a wave movement, incorporating simultaneous shading elements. The facade features sixty-four specially constructed undulating blinds, each uniquely designed to enhance the kinetic experience of the avenue. These vertical elements create a system that captures the movement through a visually dynamic and comprehensible image.



## Challenges

The primary challenge was to create a building that seamlessly integrates with the urban fabric, responding to the kinetic experience of Syngrou Avenue. The design required transferring the central axis of movement onto the face of the building, resulting in a dynamic facade that interacts with sunlight and shadows throughout the day. At night, a custom lighting installation ensures the building's unique identity is maintained, integrating it gently and sustainably into the city's nocturnal landscape.

## Sustainable Design

The facade's design is bioclimatic, controlling solar radiation and providing multiple articulation possibilities within the building. The roof offers an impressive view of the Acropolis, featuring a sitting area surrounded by greenery. Designed to meet LEED Gold certification standards, the building incorporates advanced aluminium systems to ensure sustainable development. A special parameterisation study of the facade blinds system was conducted to optimise natural light entry and overall comfort.

## Advanced Aluminium Systems

Aluminco's advanced aluminium systems played a crucial role in achieving the project's sustainable design goals. The operable system W85 HS VIEW MASTER and the retractable SL2700 GREAT WIDE of the Skyline collection provided minimal aesthetics, enhanced natural lighting, and excellent thermal and acoustic comfort.

## SL2700 GREAT WIDE:

Description: The SL2700 lift-and-slide system represents a new generation of high-end systems by ALUMINCO. It features slim lines, excellent thermal insulation values, and high-quality components for an uplifting atmosphere. The narrow interlocking face width allows greater visibility and light flow, while the ground-level threshold offers comfort and accessibility.

### Features and Benefits:

- Exceptional energy efficiency
- Impressive thermal insulation, water tightness, and wind resistance
- Minimal style with straight lines and a low-level, flat threshold
- Interlocking face width of only 35 mm for maximum transparency and light penetration
- Concealed lift-sliding mechanism for smooth sliding and functionality
- Perimetrical sealing with EPDM gaskets
- Multi-point lock with lift-and-side mechanism for high burglar resistance
- Wide variety of typologies and construction solutions
- Ideal for office and hotel units, offering unique solutions



## Elevating Excellence

### *Six Senses La Sagesse: A Caribbean Masterpiece*

Worth Associates & Aluminium are thrilled to share the success story of the exquisite Six Senses La Sagesse project in Grenada. This project exemplifies Aluminco's commitment to delivering high-performance, aesthetically superior aluminium systems that elevate the standards of architectural design.

## Project Overview

The luxury hotel group Six Senses, renowned for its sustainable and innovative developments, has made its Caribbean debut with the breathtaking La Sagesse resort. Spread over 38 acres, this resort is designed to seamlessly blend with Grenada's natural topography, ensuring space, privacy, and unobstructed views of the turquoise sea. The resort boasts 56 two-level pool suites and 15 villas, all constructed with natural, renewable, and reused materials, adhering to the principle that no building should be taller than a palm tree.

## *The Aluminco Role in This Architectural Marvel:*

### Challenges Overcome

The project's complexity was compounded by a strict schedule, multiple typologies, and special constructions with large openings exceeding 7 meters. Aluminco ensured safe transport and installation of special glass panes and navigated local climatic conditions, completing the project in just 18 months.

### Achieving Sustainable Excellence

Our systems met stringent requirements for sound insulation, thermal insulation, and environmental behavior, rivaling the standards of similar European projects. The bioclimatic design of ALUMINCO's systems ensured that the resort's architecture was not only high-performing but also sustainable.

### The Aluminco Role in This Architectural Marvel

To meet the high standards of Six Senses and overcome the project's unique challenges, we installed ALUMINCO's advanced architectural systems:

SL2700 Lift & Slide Thermal Insulating System

W450 Tilt & Turn Thermal Insulating System

FD4600 Folding Thermal Insulating Door System

These systems were selected for their superior performance, high aesthetics, and ability to handle impressively large openings, providing maximum energy savings and high comfort.



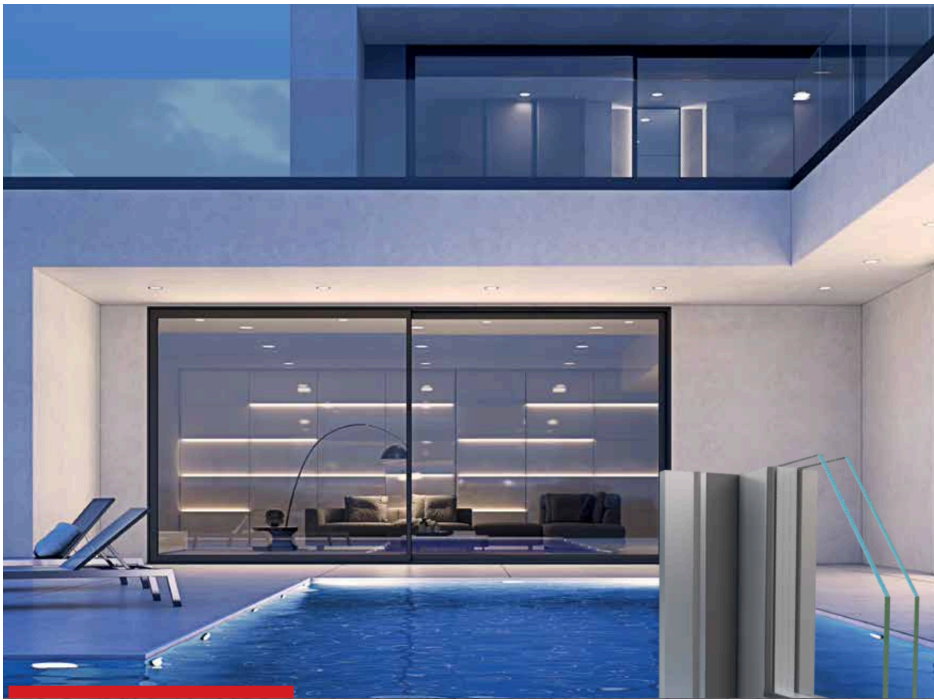


## The Spectacular Six Senses Resort

### **The Outcome**

The integration of ALUMINCO's SL2700, W450, and FD4600 systems into Six Senses La Sagesse has created a unique living experience where outdoor spaces are as inviting as the interiors. These systems maximise natural light and offer unobstructed views, effectively merging the indoors with the beautiful Caribbean environment.

This project is a testament to our dedication to pushing the boundaries of architectural design with innovative, sustainable, and high-quality aluminium systems. It showcases how advanced ALUMINCO systems can transform spaces and enhance the natural beauty of their surroundings.



SL 2700 BROCHURE COVER

**System Identity**

The lift-and-slide system SL2700 represents the new generation of ALUMINCO's high-end systems.

Attractive and effective slim lines, excellent thermal insulation values and high-quality components create an exceptionally uplifting atmosphere.

The architectural aesthetics are depicted on the narrow interlocking face width which permits greater visibility and flow of light, while the ground level threshold offers high comfort and ease of access.

Exceeding conventional applications and fulfilling the need for wide spans, SL2700 offers more opportunities and options to the modern professional, therefore upgraded in one of the most efficient systems in its category.

**Features & Benefits**

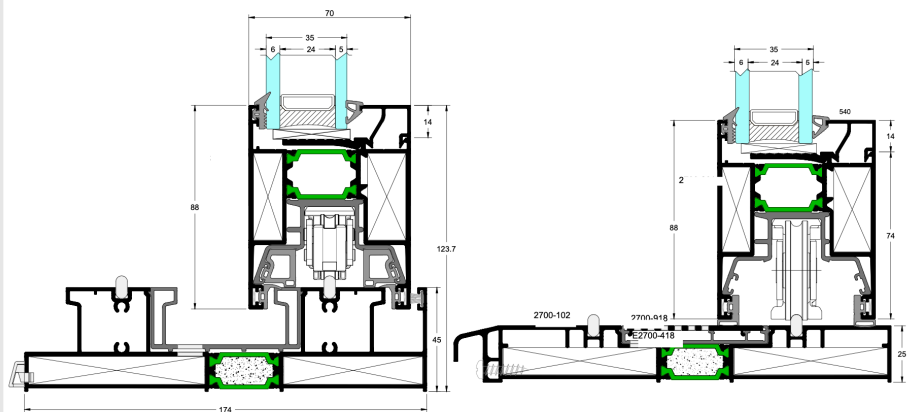
- Exceptional energy efficiency
- Impressive thermal insulation, water tightness and resistance to wind pressure.
- Minimal style and straight lines in combination with the low-level and flat threshold of 25 mm offer particularly elegant structures and facilitate the access
- Interlocking face width of only 43 mm for maximum transparency and light penetration
- The concealed lift-sliding mechanism offers smooth sliding and phenomenal functionality
- Perimetrical sealing with EPDM gaskets
- Multi-point lock with lift-and-slide for high burglar resistance.
- Wide variety of typologies and solutions with a great flexibility in construction
- Ideal for hotel units offering unique hotel solutions.

**Configurations**

**Lift - sliding**

2Leaf sliding, 3Leaf sliding, 4Leaf double sliding, 6Leaf double sliding, 2Leaf sliding with insect screen, 2Leaf sliding with fixed, 2Leaf sliding with fixed and insect screen, 1Leaf sliding with fixed

**Angular structure 90°**



HARDWARE	
SLIDING	
LIFT & SLIDE	■
INSULATION	
POLYAMIDES mm	30
SYSTEM PROFILE DIMENSIONS	
FRAME HEIGHT mm	25
FRAME WIDTH mm	174
SASH HEIGHT mm	88
SASH WIDTH mm	70
INTERLOCKING PROFILE WIDTH mm	35/43
SASH WEIGHT Kg	up to 400
GLASS THICKNESS mm	22-52

CERTIFICATES/PERFORMANCES	
AIR PERMEABILITY EN 12207	Class 4
WATER TIGHTNESS EN 12208	Class 9A
RESISTANCE TO WIND LOAD EN 12210	Class B4
SOUND REDUCTION Rw (C;Ctr) ISO 10140-2	42 (0;-3)dB
THERMAL INSULATION Uf EN ISO 10077-2	1.7-8.1 W/m²K



SL 2700 TECHNICAL SPECIFICATIONS

## Suite Of Services

### *Innovation and Design:*

Worth Aluminium is thrilled to announce an exclusive partnership with ALUMINCO RSA, creating a bespoke platform that integrates design, procurement, and manufacturing to the highest international standards. This collaboration offers architectural firms unparalleled access to cutting-edge, locally produced aluminium products and systems of exceptional quality and innovation.

ALUMINCO RSA is renowned for its unique, patented aluminium products, focusing on safety, ergonomics, dynamic design, performance, and durability. Each ALUMINCO system blends innovation, ergonomics, ecology, and modern architectural design principles.

### *Our Services Include:*

- Aluminium Doors & Windows
- Hotels, Retail, Commercial
- Restaurants, Fuel Ports
- Cladding
- Bespoke Residences
- Cluster Homes & Apartment Complexes
- Complete Refurbishment

### *Our Product Range:*

- Sliding and Opening Doors & Windows
- Minimal Sliding Doors
- Folding Stacking Doors & Windows

- Rolling Shutters & Opening Shutters
- Fly Screens
- Security Doors
- Pivot Doors & Hotel Doors
- Internal Glass or Unitised Doors & Frameless Doors
- Shop Fronts
- Bioclimatic Pergolas
- Balustrades
- Skylights
- Facades
- Curtain Walling
- Conservatories
- Decking
- Fences
- Shades
- Gates

### *Our Process:*

We import materials from the E.U. in raw condition and fabricate and powder-coat at our factory in South Africa with specialised dyes from the E.U. in a wide variety of colours and textures.

### *Delivery Regions:*

We deliver in Gauteng and countrywide in South Africa, Namibia, Botswana, Zimbabwe, Mozambique, Lesotho, Malawi, Angola, DRC, Kenya, Tanzania, Nigeria, Uganda, Madagascar, and Mauritius.



#### *Contact*

**Nikos Potamianos**

Co-Founder & CEO

(M) +27 065 349 9039

(Email) [alu@worth-int.com](mailto:alu@worth-int.com)

#### **Visit Our Factory**

84 Rigger Road Spartan,  
Kempton Park, Gauteng.