

sapa:

buildingsystem

ARCHITECTURAL ALUMINIUM SOLUTIONS



Hotels

Sapa Building System



Sapa Building System's mission is to provide our customers with market leading architectural aluminium and renewable energy solutions that are innovative, thermally efficient and environmentally sustainable.

Sapa Building System is committed to working closely with key specifiers including architects, developers, main contractors, fabricators and specialist installers. Our Research & Development, Sales & Marketing and Supply Chain teams set the standard for delivering added value architectural aluminium solutions.

Sapa Building System provides bespoke solutions to perfectly meet the needs of the client and end user. We have developed a tailored offer for the Hotel segment including business, leisure, resort hotels and many other applications where comfort, quality and long life within an eco-friendly environment are key attributes.

Our curtain walling, windows, doors, facades, glazed roofs, solar shading, photovoltaic and many other aluminium systems are all subject to ongoing design and development to ensure that they will meet your project criteria.

Sapa Building System is active in Europe, the Middle East and Asia. We are also developing our global presence by strengthening our export links with local manufacturing facilities and entering new territories.

For the future, Sapa Building System's core values of loyalty, quality and innovation together with our entrepreneurial approach will drive our processes towards continuous improvement for specifiers and our customers across all of the markets we serve.

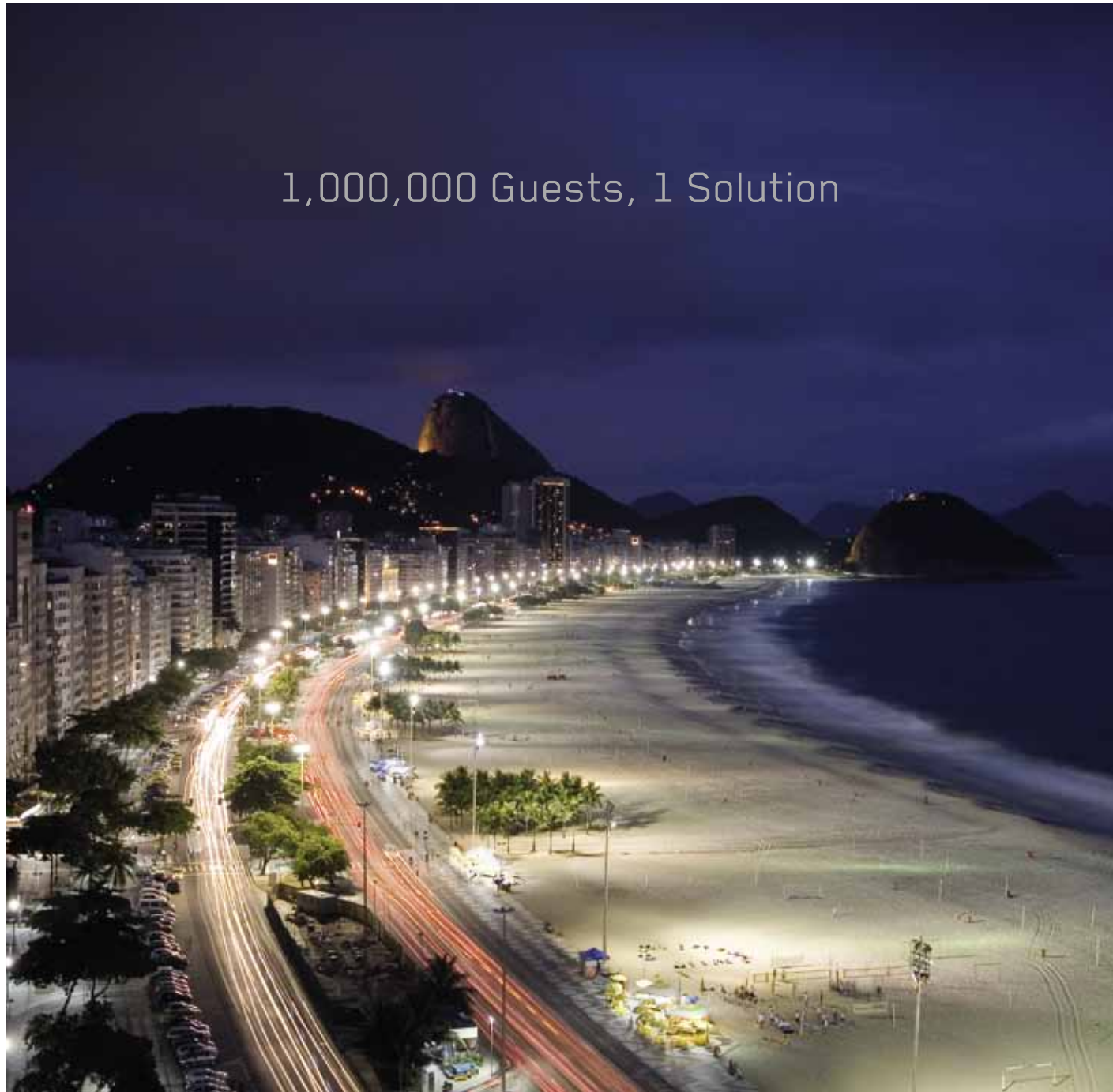
I am convinced that this approach to working closely with our customers is the key to long term, mutually profitable growth.



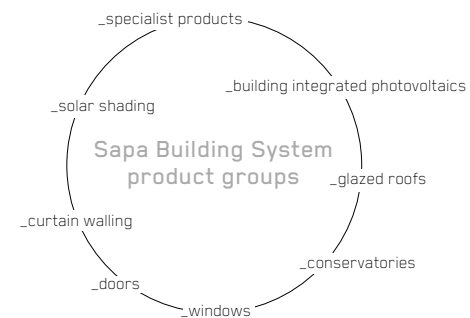
Hans Johansson
President Sapa Building System



1,000,000 Guests, 1 Solution



Every night, millions of people all over the world seek to relax in the comfort of a hotel room. The challenge for hotels is to offer comfortable accommodation in a pleasant setting that fulfils their guests' every wish.



Looking for comfort

Sapa Building System holds guest comfort as a high priority for business, leisure or resort hotels. We can provide solutions for the complete building envelope and have developed high performance window, door and façade systems which will:

- » Help maintain a comfortable room temperature
- » Substantially reduce exterior noise levels
- » Reduce ongoing maintenance and repair costs through robust construction of operating hardware

Solutions for every wish

Sapa Building System's aim is to assist specifiers, designers and clients, starting at the concept design phase, by using our experience to design sustainable aluminium and photovoltaic systems to achieve the desired thermal, energy, aesthetic and acoustic performance.

Easy to use

User friendly operation and durability are the key qualities requested when designing a hotel building which will have to cope with hundreds or even thousands of visitors each year. Sapa Building System's product ranges are designed to cope with this intense usage and are cycle tested to prove their inherent strength and durability.

Sustainable development

Aluminium can be endlessly recycled with no degradation of physical properties. The latest technology in polyamide thermal insulation coupled to high performance sealed glazed units means that the building can be energy neutral.

Energy savings

The Sapa solution to energy efficiency encompasses high thermal performance systems, solar control (brise-soleil) and building integrated photovoltaics with the potential to produce anything up to 1Mw depending on the building design.

Sapa Building System product ranges provide design solutions in new build and refurbishment for a vast range of hotel types and styles including internationally known chains; city and business franchises; leisure, sea, golf and ski resorts and health spas.



100,000 Rooms, 1 Solution

The unique ambiance of a hotel is often the result of an underlying design concept permeating the entire building down to the minutest details and requires custom-made solutions.

Thermal

Thermal insulation is necessary not only for cold weather but also in warm climates. Cooling uses four times as much energy as that required to heat a building. High performance façades, combined with solar shading to capture the light in winter and protect in summer is one of the many solutions provided by Sapa Building System.

Acoustic

Peace and quiet is essential for a good night's sleep. Sapa Building System's windows and façades can all be specified with high thickness glazed units that can help reduce noise from outside. Thermal insulation can also be incorporated.

Security

Protecting guests from any potential risk is an important part of our product design. Access control for doors and window locking systems, can ensure safety for children and easy access for disabled persons.

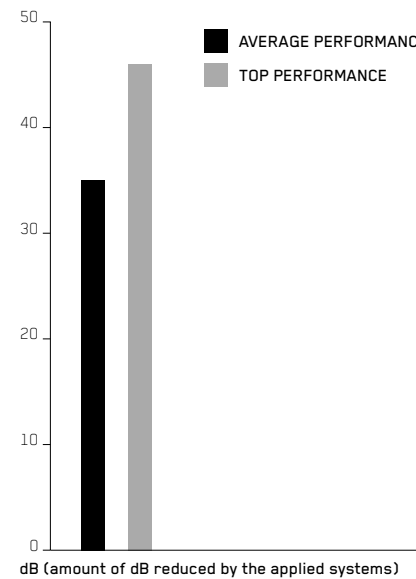
Design colors shapes

Aluminium profiles and accessories are available in a vast range of colors and shades including polyester powder coating in gloss or matt finish. Alternatively, anodising provides a subtle sheen of colour to aluminium's natural patina. Bespoke profiles can be incorporated into a project design which can dramatically impact on the aesthetics of the finished building.

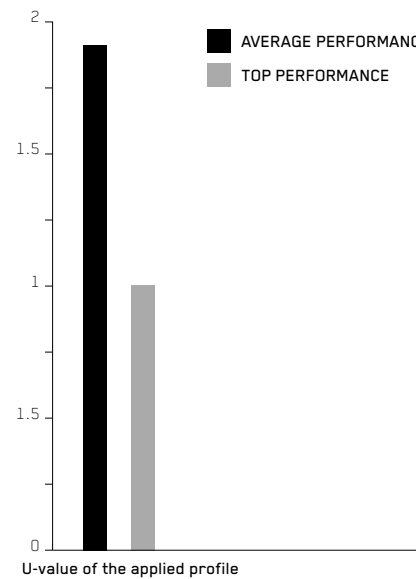
Robust and functional

Sapa Building System products undergo an extensive testing regime by independent accreditation authorities. Whilst the details may vary from country to country, the basic premise is consistent: to ensure confidence in performance across international boundaries.

acoustic performance *



thermal performance



* Average performance: 35 dB (-1;-4) Top performance 46 dB (-2;-4)

24 Countries, 1 Solution



Whether you are building a ski resort in snowy Scandinavia, a stylish business hotel in bustling Berlin or a luxurious conference centre in the Middle East, Sapa Building System has the know-how and experience to meet the requirements of every environment.

One stop shop

Sapa Building System's teams' expertise provides complete project support from initial design to installation on site. Fabrication and installation are handled by our network of specialist contractors, covering every geographic area.

01. Concept Consultation
02. Concept Design
03. Project Costings
04. Thermal Calculations
05. Wind Loading Calculations
06. Engineering System design
07. Supply
08. Installation

Efficiency

Professional advice is always available from Sapa Building System's sales and project teams who provide the link between our fabricating customers and architects, contractors and specialist installers.

Site assistance

Field based Project Consultants work closely with our in-house Project Support Team to provide specifiers with specialist advice concerning the correct application of our products for their projects, giving guidance on Building Regulations and other issues such as product specifications, usage, maintenance and safety.

Local fabricator

Present in more than 24 countries, Sapa Building System's fabricator network provides advice and assistance for specifiers right through the supply chain. We work closely with our authorised fabricators and installers to ensure that they have the latest product details to hand and they have the correct systems and procedures in place to handle all sizes of installations. It literally is true that our customer base can cope with anything from a small scale refurbishment to a high profile, high cost new build development.

Cross-border cooperation coupled to our determination to succeed means you are always supported by Sapa Building System's support network. Advice, assistance and problem solving are never far away no matter where your project is.



references





Project: Liège Airport Hotel Park Inn
Architect: Bureau Audex
City: Liège - Belgium

Investor: Rezidor Hotel Group
Fabricator/Installer: Design Métal SA

Liège Airport Hotel Park Inn
Liège, Belgium

The main challenge facing the architects designing a hotel next to an airport is to reduce the noise levels in the rooms when planes fly over. In this particular case the architects opted for a double-skin facade, double walls and double-glazed window systems to lower the decibels from 96 to under 40. By doing so, they created a cocoon of comfort where the sound waves are partly blocked by a vacuum and further muffled by the mass of the building.

The architects' choice was the Avantis 55 window system with improved acoustic properties offering soundproofing values of $Rw(C;Ctr) = 47(-2,-5)$ dB. This Sapa Building System product has been tried and tested in several buildings around Bierset and Gosselies airports. It easily meets the criteria of the Walloon Region, which prescribes acoustic soundproofing values of at least 42 dB ($Rw(-Ctr)$) for windows in areas where nightly take-offs and landings take place.

- Systems provided:**
- Casement windows
 - Doors



Adam & Eve Hotel

Belek, Antalya, Turkey

The luxurious Adam & Eve Hotel is situated in woodland right behind the beach at Belek in Antalya, on a site of 100,000 sqm. It has a total of 500 spacious standard rooms, family suites, villas and de luxe villas. The most striking feature of the hotel is the use of mirrors, large glass panels and immaculate white surfaces.

Architect Eren Talu is a master of minimalism. For this particular project he chose to combine a remarkably restrained colour scheme with impeccable lustrous finishes and pure straight lines. This led him to prescribe Sapa's aluminium profiles for windows and doors.

Most rooms now open on to a terrace by means of a C125 sliding window. Thin aluminium profiles were used to maximise the glass area. But the most crucial design requirement was the utilization of bright anodised straight thresholds. Sapa Building System produced them specially for this project.

Systems provided:

Curtain walling

Sliding windows



Project: Adam & Eve Hotel
Architect: Eren Talu
City: Belek, Antalya - Turkey

Investor: Kayı Group
Fabricator/Installer: Akel-ant Aluminium



Hotel L'Orée
Saulx-les-chartreux, France

Set in the heart of a 6 hectares wooded park near Paris, the majestic L'Orée Hotel Restaurant offers stylish accommodation, full of character. In 2008 it was entirely renovated in an appealing contemporary style. It now has 60 modern rooms and suites and more than a dozen drawing rooms which beckon guests to relax in very pleasant and elegant surroundings.

To preserve the original grand style of the building the renovators opted for windows with high thermal insulating performance and thin aluminium profiles to minimise the loss of light and outlook. The final choice fell on 50 S windows and doors of Sapa Building System because they offer an unhindered view of the magnificent park while providing optimum comfort to the guests.

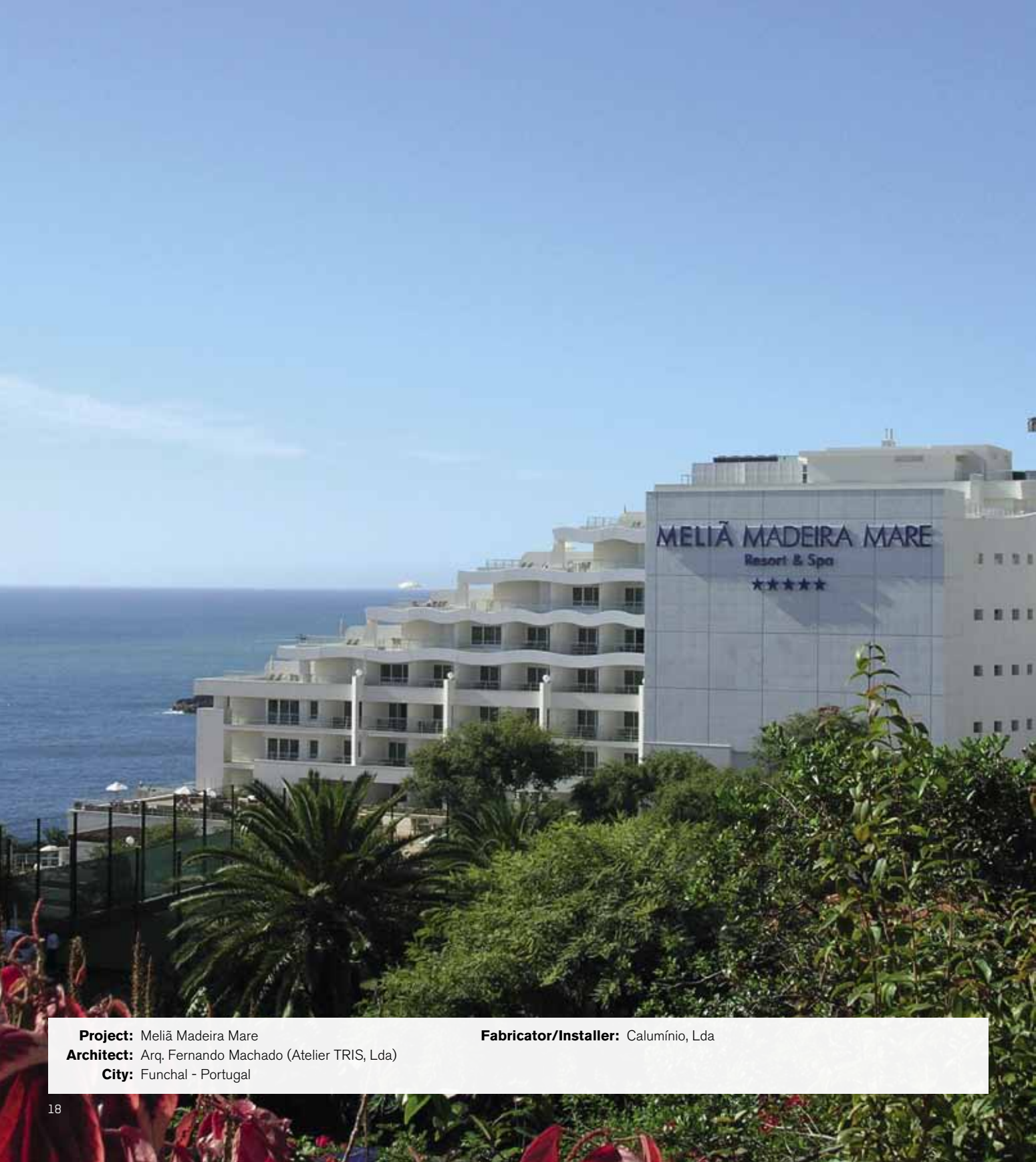
Systems provided:

Casement & sliding windows

Doors



Project: Hotel L'Orée	Investor: Art de Construire
Architect: Jérôme Riche, Paris	Fabricator/Installer: Projet Alu
City: Saulx-les-chartreux - France	



Project: Meliá Madeira Mare
Architect: Arq. Fernando Machado (Atelier TRIS, Lda)
City: Funchal - Portugal

Fabricator/Installer: Calumínio, Lda



Meliá Madeira Mare Funchal, Portugal

The shape of the 5 star Meliá Madeira Hotel is reminiscent of a cruise ship anchored by the shore. The large building is equipped with 160 bedrooms, which open on to attractive balconies. Most rooms feature an excellent ocean front view through generous windows, while others look out on either the hotel pool or the adjacent gardens.

All architectural openings of the building are finely shaped and fitted with elegantly designed CX sliding doors and BW casement systems. These products from Sapa Building System Portugal achieve optimum acoustic insulation and are highly resistant to UV-light and seawater.

Systems provided:

Sliding & casement windows

Doors



Hotel President
Prague, Czech Republic

The 5 star President hotel in Prague provides first class hospitality and service. It is equipped with 130 rooms, 32 junior suites, 3 senior suites and 1 Prezident suite, which were all totally refurbished in 2004. The building is situated on the right bank of the Moldau river (Vltava), in the very heart of Prague, close to the Prague Castle, the Jewish Cemetery and the Old Town.

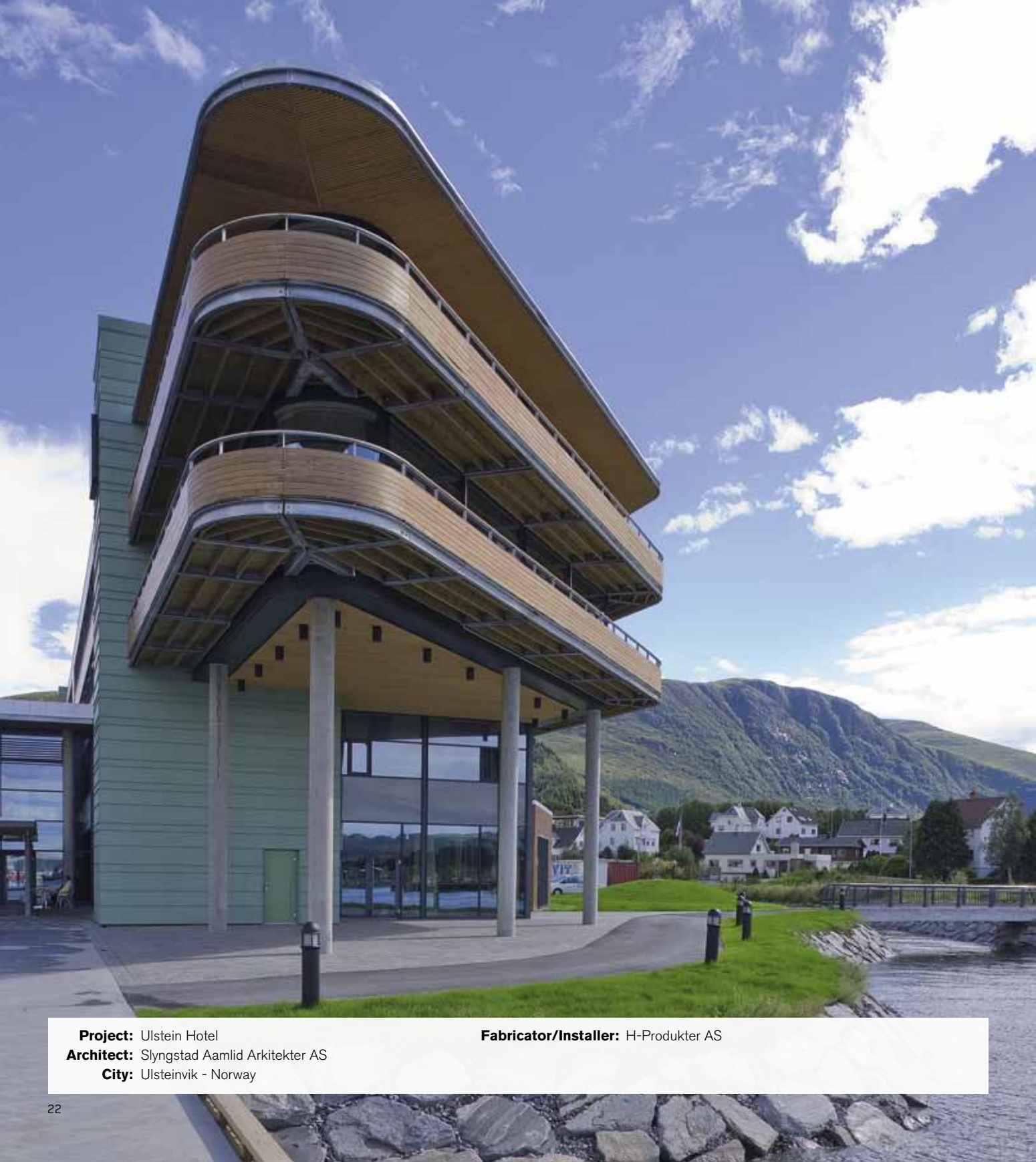
The building has been fitted with an Elegance 52 curtain wall system and Avantis 55 three-chamber window systems, all from Sapa Building System. These products provide excellent thermal insulation and constitute the most effective and cost effective solution to the specific requirements of the architects and engineers.

Systems provided:

- Curtain walling
- Casement windows
- Doors



Project: Hotel President
Architect: Atelier Vrbik, ENERGOPROJEKTA Přerov, s.r.o.
City: Prague - Czech Republic
Fabricator/Installer: PROTON, společnost s ručením omezeným



Project: Ulstein Hotel
Architect: Slyngstad Aamlid Arkitekter AS
City: Ulsteinvik - Norway

Fabricator/Installer: H-Produkter AS



"We refused to compromise on engineering and aesthetics. We were very happy to find that Sapa Building System could provide all the technical answers and solutions to help us achieve our goals."

Ivar Aamlid
Slyngstad Aamlid Arkitekter AS

THE BEST VIEW IN TOWN

The Ulstein Hotel comprises 90 rooms, a concert-hall with 500 seats, a cinema with 120 seats and several course and conference rooms. It is the result of an architectural competition which took place in the summer of 2004.

The architect, Ivar Aamlid of Slyngstad Aamlid Arkitekter AS, immediately points out the strong points of the new hotel. 'The design is very open and clean, helping the building to blend naturally into the structure of the town centre, which is marked by its maritime past and many years of industrial activity in the adjoining shipyard area. The building exudes an air of serenity and simplicity and provides a new centre point in the Municipality of Ulstein.'

The building is oriented towards a small lagoon which provides space for guest boats and commercial charter boats. This visually connects the lobby to the seafront, which is of great benefit to the public environment, and at the same time enhances the unique identity and special atmosphere of the place. ▶



'Great emphasis has been put on the choice of exterior materials,' Ivar Aamlid says. 'The massive sections of the building are covered with patinated copper, while oak laths are used on parapet walls and in balustrades. And the beautiful surrounding environment permeates the entire building through the big glazed surfaces.'

Norwegian winters can be harsh. Therefore all windows and facades of the hotel have thermal barriers. Solar shading has also been applied to the building in the form of 300 mm wing profiles placed directly between concrete columns and supported onto the decorative profile of the 4150 system with "Add"-technology.

'From the very beginning we set out to meet the highest standards regarding finish and visual appearance,' Ivar Aamlid concludes. 'Environmental conditions were fairly challenging but we refused to compromise on engineering and aesthetics. We were very happy to find that Sapa Building System could provide all the technical answers and solutions to help us achieve our goals.' ■

Systems provided:

Curtain walling

Solar shading

Casement windows

Doors

Hotel Tuela
Porto, Portugal

The Tuela Hotel as a whole, and its south wing in particular, offers the best cost/quality ratio of all the hotels in the entire city of Oporto. Whilst staying in the hotel you will experience the first rate service that is the trademark of the HF Hotéis Fénix.

Enjoying a late afternoon over a glass of Port in a room that offers a breath-taking view over the city, you will realise that the best moments in life are based on relaxation and simplicity. The designers' and architects' choice for the aluminium solutions of Sapa Building System is based on their search for cost efficient aluminium and glazing solutions to provide comfort and quietness in the cosy rooms and lounge.

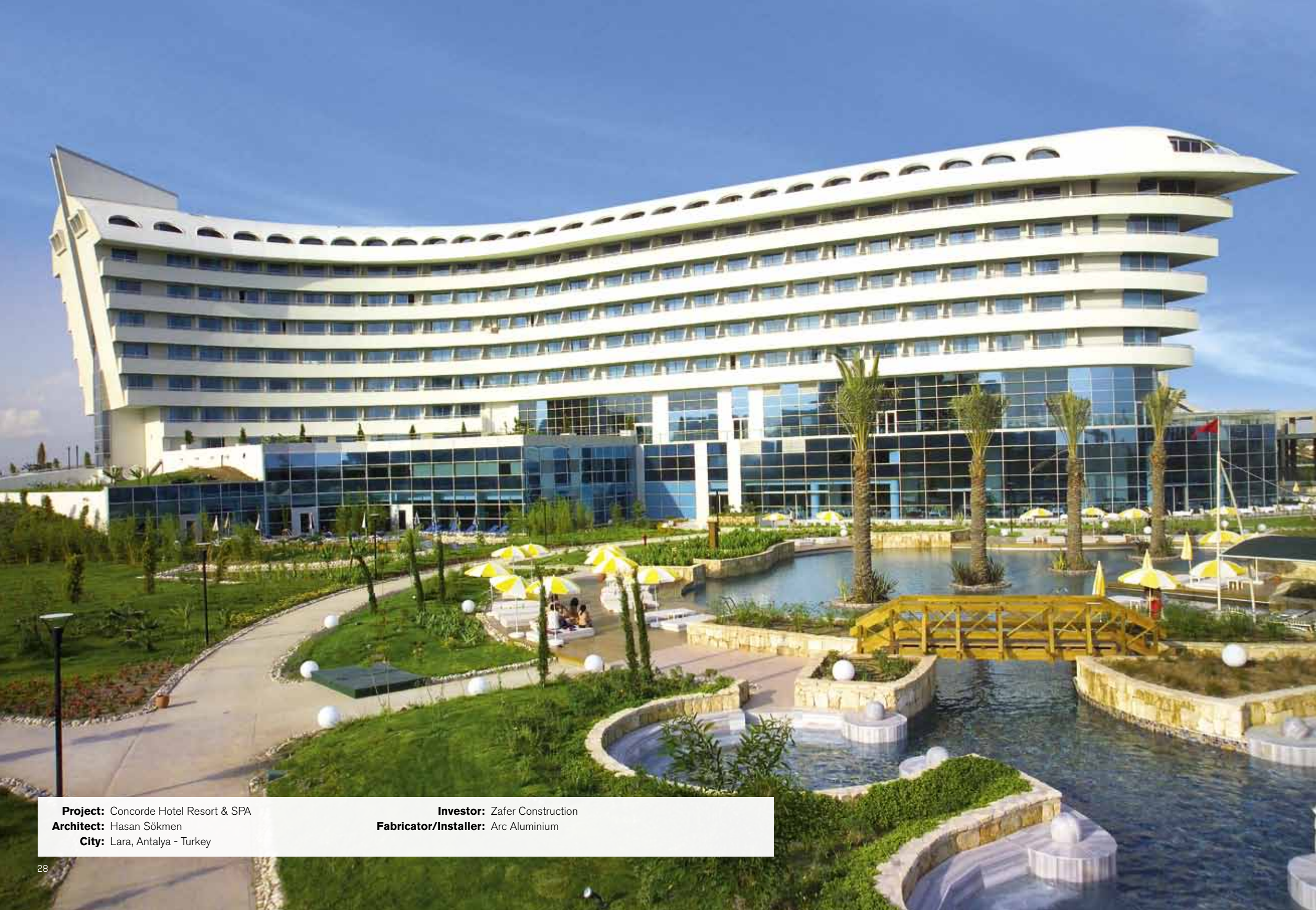
Systems provided:

Casement windows



Project: Hotel Tuela
Architect: Arq. Teixeira Lopes
City: Porto - Portugal

Fabricator/Installer: Alberto da Silva Pinto Loureiro



Project: Concorde Hotel Resort & SPA
Architect: Hasan Sökmen
City: Lara, Antalya - Turkey

Investor: Zafer Construction
Fabricator/Installer: Arc Aluminium

Concorde Hotel Resort & SPA Lara, Antalya, Turkey

Achitect Hasan Sökmen modelled the Concorde Resort and Spa on the Concorde airplane, which retired in October 2003. This seven floor hotel is situated on Lara Beach in the east of Antalya and features 401 air-conditioned guest rooms decorated in light hues with blue carpets, and balconies or terraces with sea or garden views. The complex is equipped with a 1090 m² congress centre, 3 meeting rooms, one boardroom and a state-of-the-art business centre.

The extraordinary design of the building brought on specific structural problems. Especially the unsupported protruding concrete front part of the building, which is shaped like the nose of the Concorde, caused serious concern. By its sheer weight it threatened to distort the aluminium window and door frames underneath and subsequently to break the glass panes.

Achitect Sökmen's prize winning design could only be achieved in close collaboration with Sapa Building System. The R&D department of Sapa Building System in Belgium devised an ingenious 'hooded subframe system' specially for this project. Just like the name indicates, the subframe uses a 'hood' to immobilise the moveable slabs before the aluminium window or door can be opened.

Systems provided:

Curtain walling

Sliding windows



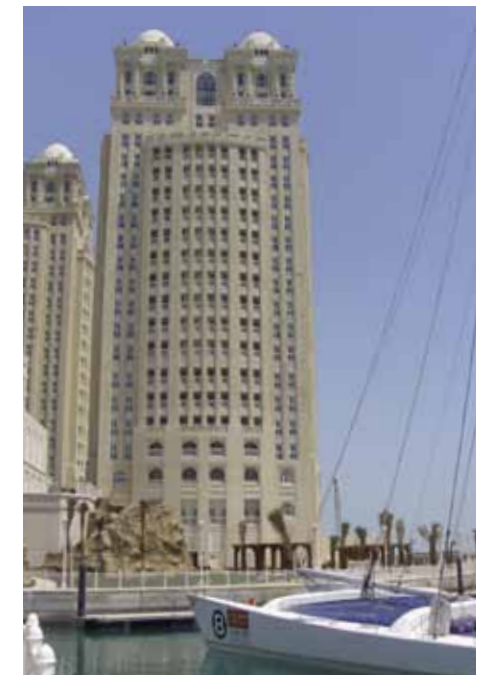
Project: Four Seasons
Architect: Halcrow LTD
City: Doha - Qatar

Fabricator/Installer: Alutec

MEETING THE STANDARDS OF FOUR SEASONS

The Four Seasons hotel is part of the West Bay business and residential complex in Doha offering the best view on the Arabian Gulf, private beach and marina. This waterfront landmark Hotel-Resort has 232 guest rooms including 57 suites meeting the finest international standards.

This luxury hotel in Doha, Qatar features a Moorish architectural style designed by renowned international consulting engineers Halcrow Ltd. Since the building is located immediately adjacent to the end of the runways of the city's busy airport, noise reduction was a prime concern. It was essential to obtain the highest levels of acoustic protection for the guest rooms, which have complex window joinery courtesy of ornamental façade elements imposed by the architecture. This inevitably raised some serious technical issues. ▶





The original design of the windows suited to the use of traditional materials such as wood, so Sapa Building System developed specially adapted aluminium joinery method from its basic products Plaisance 50 and Elegance 52. The creation of several new profiles made it possible to match the imposed sections, meet the methods of opening outwards without visible hinges and permitted the use of high-density glazing with large window dimensions which delivered excellent acoustic insulation.

The success of this project has been made possible by the shared determination of Sapa Building System and its partner fabricator, Alutec. Together, they managed to find the right technical solutions while respecting the architect's design requirements and the project's strict deadlines.

The Arab Construction Engineering Bureau has, in the meantime, adopted the solutions that Sapa Building System developed for the Four Seasons project in Qatar and it has been recommended for numerous projects throughout the region ever since. ■



Systems provided:

Curtain walling

Casement windows



Project: Travelodge Hotel
Architect: JWA Architects Ltd
City: Borehamwood - UK

Fabricator/Installer: Wynda Components Ltd & Allglass (Anglia) Ltd



**Travelodge
 Borehamwood, UK**

New Travelodge is a shady spot for travellers. A revamped corporate image combined with the requirement for shading a full-height atrium were key factors in the design of this new hotel. As one of the first to be built in line with the Group's new colour scheme, the Travelodge at Borehamwood, near London UK, is something of a flagship. The full height atrium forms a link between the bedrooms, restaurant and check in area of the hotel and guests are protected from excessive sun glare through this south-westerly elevation by Elegance SC solar shading.

Systems provided:

Curtain walling

Solar shading

Casement windows



Express by Holiday Inn

London, UK

The extension project sought to blend the new elements with the existing and link into Holiday Inn Express' corporate identity colours. The architects designed the 48 new bedrooms and restaurant to be simple and contemporary in appearance and deliberately sought out windows and curtain walling that offered narrow, clean sightlines that would allow the maximum amount of light to flood the interior of the building. Sapa's Dualframe 55 system was specified in a powder coated dark blue finish that contrasted with the silver appearance of the exterior cladding. The overall effect created a distinctive façade for the hotel which is situated in the heart of London's dynamic Docklands area close to Canary Wharf.

Systems provided:

Curtain walling

Casement windows

Doors



Project: Express by Holiday Inn
Architect: Househam Henderson Architects Limited
City: London - UK
Fabricator/Installer: Perfect Glaze Limited

Hotel Skt. Petri
Copenhagen, Denmark

The plan was to convert the historical warehouse 'Daells Varehus' into the new trendy 'Hotel Skt. Petri', set in the very heart of Copenhagen. The original building had been designed in funkis-style by the Danish architect Vilhelm Lauritzen in 1935 and was later renovated by Erik Møllers Tegnestue with respect for the original design.

As the original building was listed as a protected monument, the architect and building contractor, AP Facader a/s, needed to find a solution that matched the design of the original steel frame windows. They set out looking for a design with slim sections and an exterior 'nose' on the front. Sapa Building System was able to meet the requirements by developing three new frame sections, based on the basic system Sapa 1074. The new frames we combined with an existing Structural Glazing vent solution.

The new Hotel Skt. Petri now has two different facades with distinct colours and windows with a slightly different exterior design.

Systems provided:

- Curtain walling
- Glass-roofs
- Special-designed casement windows



Project: Hotel Skt. Petri
Architect: Erik Møllers tegnestue A/S
City: Copenhagen - Denmark

Fabricator/Installer: AP Facader Aluminium & Plast a/s



Project: Ajia Hotel
Architect: Resit Soley
City: Kanlica, Istanbul - Turkey
Investor: Akaretler Otel Isletmeciligi ve Turizm A.S.
Fabricator/Installer: Milenyum Aluminium

Ajia Hotel

Kanlica, Istanbul, Turkey

Ajia Hotel is a renovation project on the Asian shore of the Bosphorus. This 19th century Ottoman mansion has been transformed into a contemporary boutique hotel.

The architect set out on a double challenge. He had to take optimum advantage of the imposing sea panorama of the Bosphorus while preserving the historical integrity of the stately mansion. Moreover, he had to select building materials in accordance with the hotel's interior design concept.

Sapa Building System was selected as the supplier of large thermally insulating window and door systems. Following the architect's plans, the top floor was fitted with Sapa's C125 sliding door system to achieve a grandstand view of life on the Bosphorus waterfront.

By the end of 2008 the Ajia Hotel was proclaimed the 'Most Excellent Charming Hotel' in Europe and the Mediterranean by Conde Nast Johansens. Sapa Building System is proud to have contributed to this stylish project.



Systems provided:

Sliding & casement windows

Head office

Sapa Building System

Industrielaan 17 - 8810 Lichtervelde

// BELGIUM

Tel: +32 51 72 96 27

Fax: +32 51 72 96 47

Sapa Building System Vertriebs GmbH

Pirching 90 - 8200 Gleisdorf

// AUSTRIA

Tel: +43 3112 73 66 - 0

Fax: +43 3112 73 66 - 6

Sapa Building System NV

Industrielaan 17

8810 Lichtervelde

// BELGIUM

Tel: +32 51 72 96 66

Fax: +32 51 72 96 89

Sapa Building System s.r.o.

Veleslavínska 150/44

CZ - 162 00 Prague 6

// CZECH REPUBLIC

Tel: +420 236 161 962

Fax: +420 236 161 969

Sapa Building System

Langhøjvej 1, Indgang A

8381 Tilst

// DENMARK

Tel: +45 86 16 00 19

Fax: +45 86 16 00 79

Sapa Building System SAS

Espace Vernède

4-5 Rte des Vernèdes - 83480 Puget / Argens

// FRANCE

Tel: +33 4 98 11 20 50

Fax: +33 4 98 11 21 82

Sapa Building System

Sinikalliontie 18 A - 02630 Espoo

// FINLAND

Tel: +358 9 8678 280

Fax: +358 9 8678 2820

Sapa Building System GmbH

Anna-Schlinkheider-Str. 7b

40878 Ratingen

// GERMANY

Tel: +49 21 02 70 07 9-0

Fax: +49 21 02 70 07 9-10

Sapa Building System India

p/a Orkla India PVT Ltd

307/308 B Wing, BSEL Tech Park

3rd Floor, Sector - 30A

Vashi, Navi Mumbai - 400 705

// INDIA

Tel: +91 22 67761900

Fax: +91 22 67761999

Sapa Building System s.r.l.

Via Altmann 10 - 39100

St. Jakob - Bolzano/Bozen (BZ)

// ITALY

Tel: +39 04 71 20 06 72

Fax: +39 04 71 202 22 53

Sapa Statybu Sistemose

Kirtimu g.47,

LT-02244 Vilnius

// LITHUANIA

Tel: +370 5 2102587

Fax: +370 5 2102589

Sapa Building System bv

Minervum 7067 - 4817 ZK Breda

Postbus 5647 - 4801 EA Breda

// NETHERLANDS

Tel: +31 76 587 34 00

Fax: +31 76 571 94 85

Sapa Building System

Kjeller Vest 6

Postboks 34 - 2027 Kjeller

// NORWAY

Tel: +47 63 89 21 00

Fax: +47 63 89 21 20

Sapa Building System Poland Sp. z o.o.

ul. Graniczna 60 - 93-428 Łódź

// POLAND

Tel: +48 42 683 63 73, 654 89 30

Fax: +48 42 683 63 91

Sapa Building System Portugal

Sintra Business Park

Zona Industrial da Abrunheira

Edifício 2, 1. ºA/D

Sintra 2710-089

// PORTUGAL

Tel: +351 21 925 26 00

Fax: +351 219 25 26 99

Sapa Building System

P.O. Box 19478

1, Souk Khaled Area

Al Matar Airport Road, Doha

// QATAR

Tel: +974 442 46 90

Fax: +974 412 84 37

Sapa Building System

Chisineu Cris town, Arad county

// ROMANIA

Tel: +40 257 307800

Fax: +40 257 351 5701

Sapa Building System s.r.o.

Stará Vajnorská 37/C, SK-831 04 Bratislava

// SLOVAKIA

Tel: +421 2 20903606

Fax: +421 2 20903611

Sapa Building System Iberia

Edificio MOMA - 2ª Planta - Oficina 7

Ctra. MóstolesVillaviciosa de Odón Km 0,200

28931 Móstoles - MADRID

// SPAIN

Tel: +34 911 277 160

Fax: +34 911 285 016

Sapa Building System AB

Metallvägen - S-574 81 Vetlanda

// SWEDEN

Tel: +46 383 94200

Fax: +46 383 761980

Sapa RC System s.a.r.l.

Z.I. La Guérite - 1541 Sévaz

// SWITZERLAND

Tel: +41 26 663 99 66

Fax: +41 26 663 99 69

Sapa Yapı Sistem

Sanayi ve Ticaret A.S.

EGS Business Park B3 Blok

Kat: 2 No: 140

34149 Yeşilköy İstanbul

// TURKEY

Tel: +90 212 465 76 50

Fax: +90 212 465 76 48/49

Sapa RC System - Abu Dhabi Branch

P.O. Box 34939

Abu Dhabi

// UNITED ARAB EMIRATES

Tel: +971 2 550 44 53

Fax: +971 2 550 44 54

Sapa Building Systems Ltd

Alexandra Way

Ashchurch

Tewkesbury

Gloucestershire GL20 8NB

// UNITED KINGDOM

Tel: +44 1684 853500

Fax: +44 1684 851850

