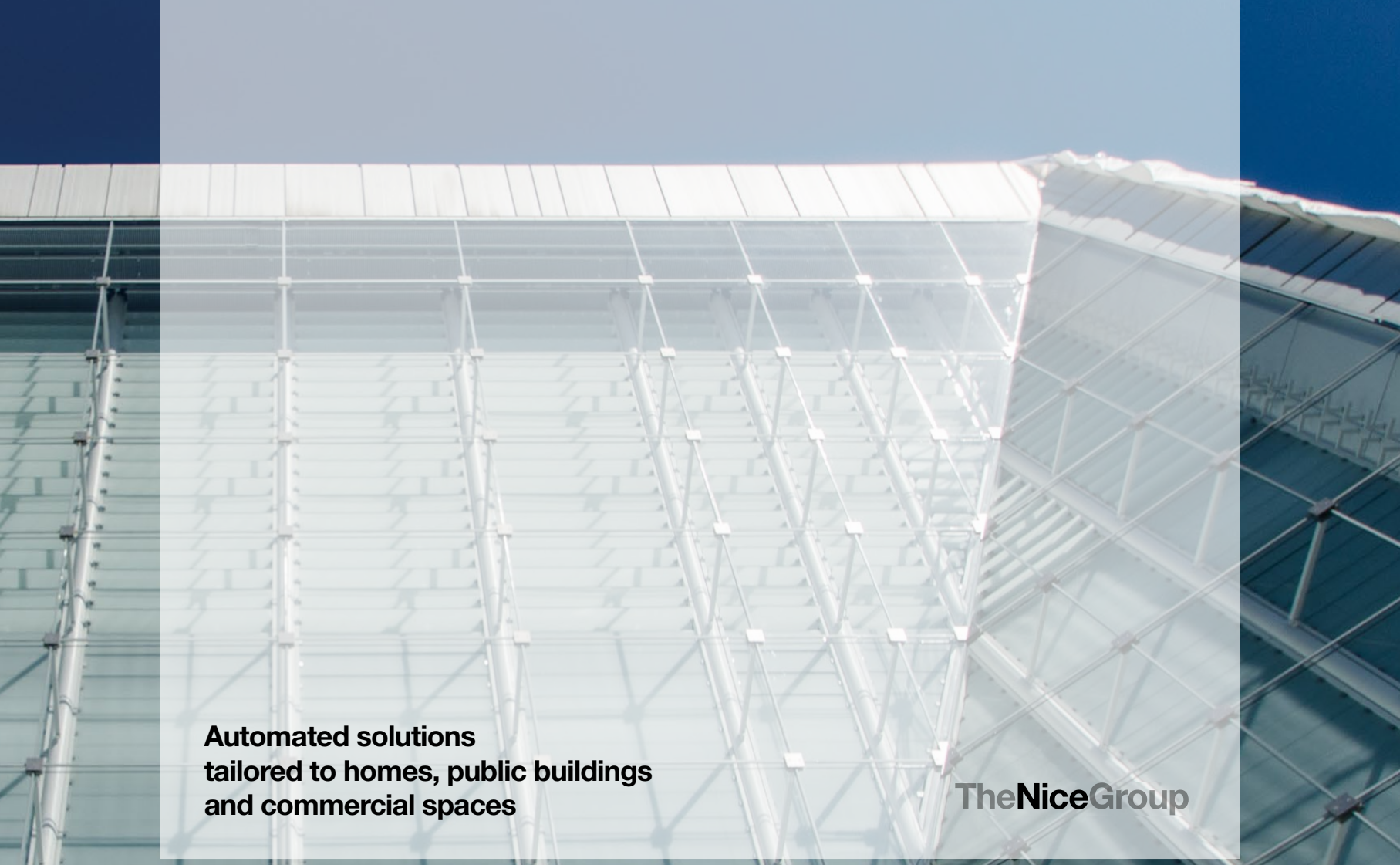
Moving Archi-tecture



**Automated solutions
tailored to homes, public buildings
and commercial spaces**

TheNiceGroup

Nice [nais]
1. Attractive, agreeable,
pleasing, friendly, kind,
courteous, solicitous.
2. Good, refined, charming.
3. Virtuous, exacting.

Nice [nais]
1. bello, grazioso, attraente,
gradevole, simpatico, cortese,
gentile, premuroso
2. buono, raffinato, squisito
3. onesto, retto, corretto

Nice [nais]
1. Beau, gracieux, attirant,
joli, agréable, charmant,
sympathique, aimable,
gentil, charmant
2. Bon, raffiné, délicieux
3. Convenable, correct

Nice [nais]
1. amable, agradable,
bonito, simpatico
2. cortese, gentil
3. honesto

Nice [nais]
1. schön, hübsch, anziehend,
geschmackvoll, angenehm,
sympathisch, höflich, freundlich,
zuvorkommend
2. gut, raffiniert, erlesene
3. ehrlich, rechtschaffen, korrekt

Nice [nais]
w języku angielskim oznacza:
1. miły
2. przyjemny
3. ładny

Nice [nais]
1. хороший, приятный,
милый, славный
2. хорошо сделанный,
точный, удачно выполненный
3. изящный, сделанный
со вкусом; элегантный

Moving Archi-tecture

**Automated solutions
tailored to homes, public buildings
and commercial spaces**

TheNiceGroup

We are a community of leading companies offering cutting-edge **integrated solutions**. Technological innovation, **design** and environment ethics are the pillars and the tools of a generative cooperation among us. We pursue open-partnerships, **respectful** of **architectural** and **innovative** languages.

2000
“International Design Gallery” Expo 2000 Hannover

2001
Best of Category “Design for the Environment” XIX Compasso d’Oro

2002
Permanent Collection at The Museum of Design

1999, 2003, 2005
“Intel Design Award”

1999, 2003, 2005
“ADI Design Index”

2005
“Trophée d’Argent” Trophée du Design Batimat

2006
“Innovation Prize” R+T Stuttgart

2007
“Innovation & Design Award” LivinLuce

2008
“Grandesign Etico International Award”

2011
“Plus X Award” Germany

2014
“Idea Brasil”

2016
“Prêmio Objeto Brasil”

2016
“InnovAction” award R+T Shanghai

2016
Innovation Award at ISC-West

2016
Government Security News Award (GSN)

Homes+ Ho ReCa +Public spa ces+ Offices+ Co mmercial spaces. Nic e for All

TheNiceGroup is the ideal partner for any project

Just one partner responds to all home and building automation needs:
Nice means improving the quality of life by simplifying everyday movements.
The Group offers the security of going in and out in total freedom,
by meeting the desire of comfort with practical products, advanced electronics
and integrated solutions. They blend technology, innovation, reliability and design.
Designers, architects, engineers and contractors find their privileged partner
in TheNiceGroup, which provides comprehensive projects support from design
to commissioning.

Home + building automation and security systems

Established in the early nineties and listed on the Italian stock exchange since 2006, Nice S.p.A. is the international reference Group in the Home and Building Automation industry. Nice designs, manufactures and markets a wide range of integrated automation systems for gates, garage doors, road barriers, awnings, blinds and shutters for residential, commercial and industrial buildings; as well as wireless alarm and control systems combining technological innovation and design to offer products that are extremely simple to use.

Intelligent drive and control technology

Founded in 1964 in Beuren, near Stuttgart, elero is one of the leading manufacturers of drive motors and controls for roller shutters, awnings, venetian blinds, sun protection systems in general and rolling doors: pioneering technological achievements, Made in Germany quality, specialized for innovative technology.

Nice

A World of Nice Solutions

1 Partner
400 Million U.S. dollars
20 Branches
100 Countries
1700 People
30 Nationalities
20 Languages

Industrial footprint

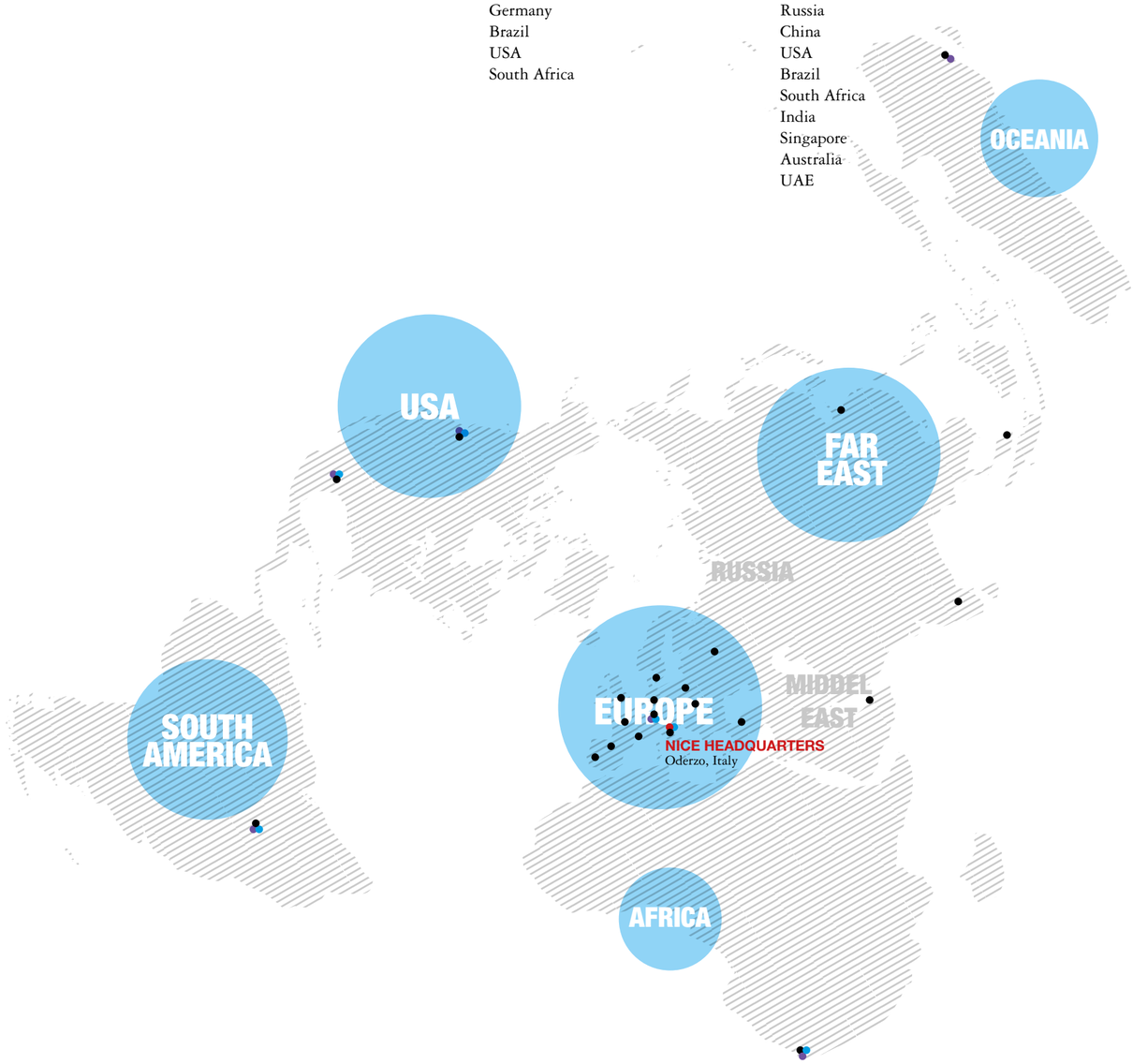
The Nice approach goes towards a “focused factory”, to consolidate the production of excellence in specific automation system business lines.
-
Germany
Italy
Brazil
USA
Australia
South Africa

Centres for technology

Nice makes significant investments to guarantee even higher quality standards, which not only comply with directives and regulations, but also allow continuous product improvement, by exploiting high-tech procedures and experimentation and an innovative approach to open integration.
-
Italy
Germany
Brazil
USA
South Africa

Direct presence on the market

Italy
France
Spain
Poland
Belgium
Germany
Rumania
UK
Turkey
Portugal
Sweden
Russia
China
USA
Brazil
South Africa
India
Singapore
Australia
UAE



Why Nice

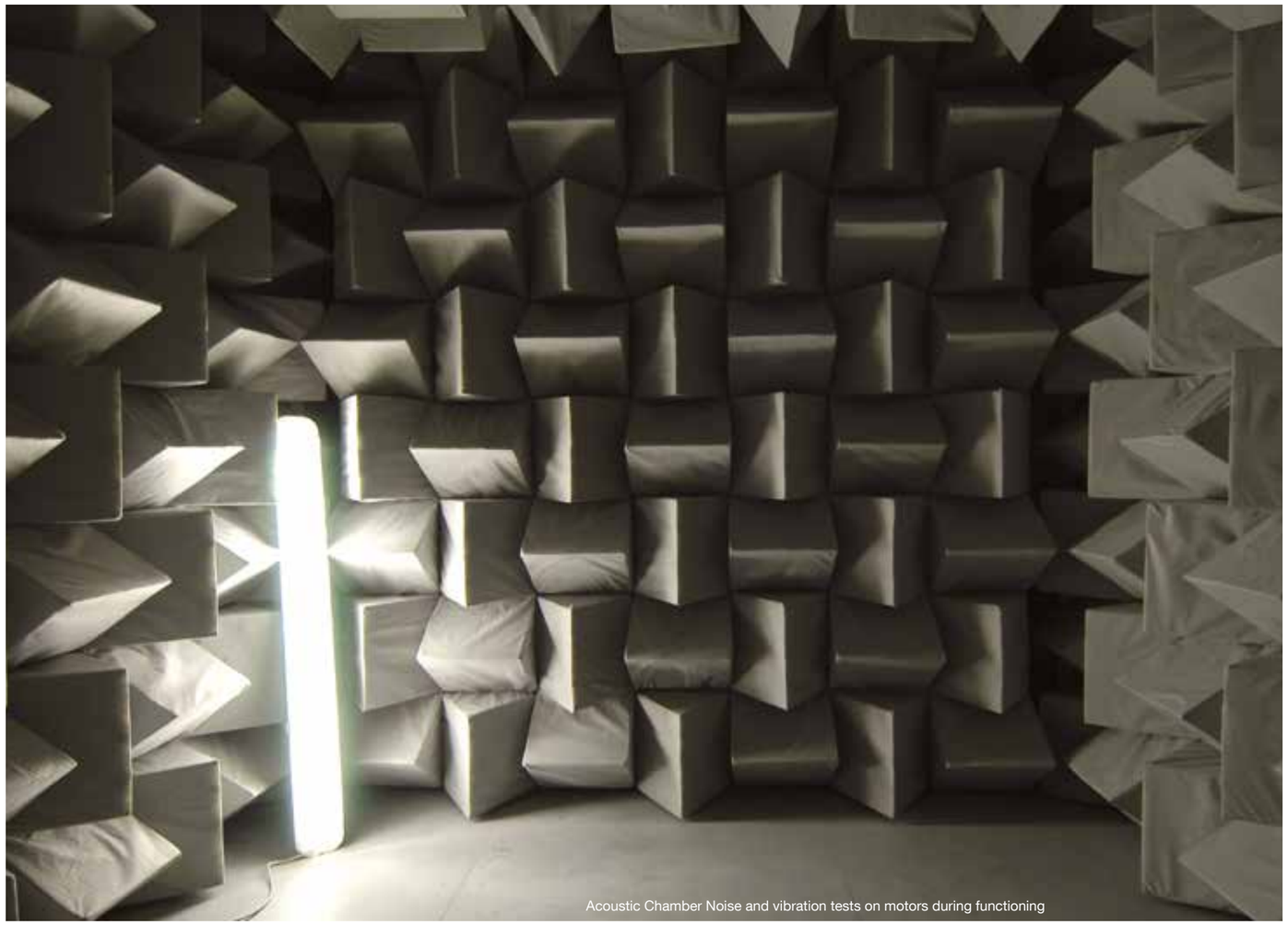
Italian Design
The research of new shapes and ergonomics is key for us. Nice was the first company in the home automation field
to believe in the importance of design, which has always been one of the main features of Nice products and projects, which have come to life all around the world.

Sustainability
The respect for the environment and the improvement of the quality life are two of the main concepts driving the Group in its activity. Nice strives to define new scenarios of sustainability through the research of eco-compatible materials and design, using low energy sources, photovoltaic appliances and managing natural and artificial light through solar screen automation systems, with great benefits in terms of comfort and eco-saving.

Technology
Through its advanced laboratories The Group carefully tests
and controls its products every day in order to grant safety, quality, reliability and durability over time.

Nice laboratories meet the quality requirements of EN 17025 standards and have also been certified by outside certification bodies, further attesting their technical expertise and conformity to carry out the tests that cover all the needs of the numerous products manufactured by the Group:

- LCIE (France)
- IMQ (Italy)
- CTC Advanced (Germany)
- Intertek (Sweden)
- UL (USA)


Acoustic Chamber Noise and vibration tests on motors during functioning


Semi-Anechoic Chamber Evaluation of motors' electromagnetic compatibility and immunity to radio interference

Photo: Roberto Gherlenda


Product stress and life-cycle testing


Climatic Chamber
Verification under conditions of high and low temperature

TheNicePlace

Our social hub covering more than 3,000 sq.m adjacent to the Group's headquarters, devoted to meetings, exchanges, interaction, participation and knowledge construction.
It is a "living" place, open to new experiences and initiatives that respond to the needs of a company that is continuing to grow, and reflect its international nature.

TheNicePlace is home to our training room: over 400 sq.m. to welcome customers, colleagues and anybody who wants to receive training in our products, sales techniques and much more, for a complete professional development.

Up to 2017, in ThePlace we shared experiences with:

- 9,500 visitors
- 240 days of product trainings for 3,400 customers
- 28 corporate events
- 20 school visits with universities and high schools, for 700 attendees

TheNicePlace is for everyone an opportunity to grow, the space where we welcome and get closer to people and communities.


Photo: Lorenzo Scaldaferro

Screen Focused Factory

To consolidate its top quality production of automation systems for solar screens, Nice has built a new production plant in Germany, in the pioneering industrial district of Stuttgart. The new manufacturing facility embraces the concept of the "focused factory", organized around a specific production line, and offers made-to-measure solutions delivering customized orders in just one day.

The project integrates made-in-Italy creativity with the made-in-Germany quality, to focus on a more exhaustive home comfort offer.

Culture

Tjuvholmen Icon Complex

Automation of internal roller blinds

Location
Oslo, Norway

Year
2012

Architect
Renzo Piano Building Workshop

Structure
Cultural centre,
art museum
and office building

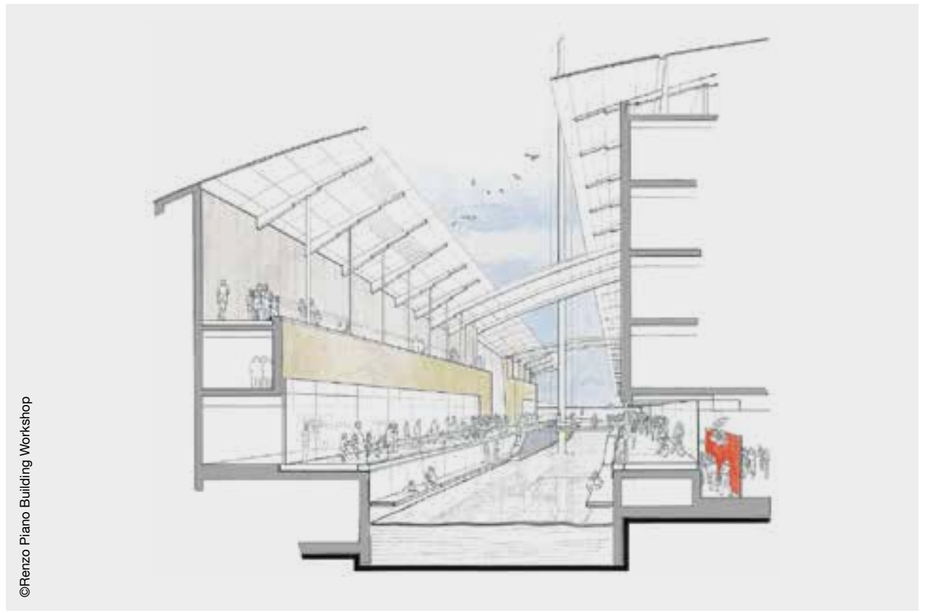
Brand
elero

"A great refuge for art in a structure able to integrate with the local area". This is how the new complex designed for the Norwegian capital by Italian architect Renzo Piano has been described. The three different buildings occupying more than 15,000 sq.m. altogether hosting an art museum, an office building and a cultural centre have been designed according to the Scandinavian tradition: covered by a single massive glazed sail, clad in wood boards and located along an artificial canal specifically created in the nearby public park.

In order to satisfy the requirements of this important project, The Nice Group's partner Resstende chose the elero **Roll Top line** for its reliability and high technical standards. elero's tubular motors, combined with various specifically designed structures and fabrics, allowed the transversal automation of various applications in the building, leaving its architectural details unaltered.


©Resstende Srl


©Resstende Srl


©Renzo Piano Building Workshop

Museion

Automation of active façades

Location
Bolzano, Italy

Year
2008

Architect
KSV Krüger Schuberth Vandreike Planung und Kommunikation GmbH

Structure
Museum for Modern and Contemporary Art

Brand
elero

The glistening silver façade of the "Museum for Modern and Contemporary Art" is a real eye-catcher in the Italian city of Bolzano. The "Museion", opened in 2008, is a source of fascination for lovers of art and architecture, and has a convincing sustainable energy concept. The objective of the architecture firm KSV Krüger Schuberth Vandreike was to ensure that light radiation and the indoor climate throughout the entire building suit the special needs of the valuable exhibits. The three-tier façade construction is made of movable, matt-finished glass slats from The Nice Group's partner Model System Italia, which control the amount of natural light entering the interior of the museum during the day.

The precise movement of the slats is ensured thanks to the installation of a total of **140 Picolo XL linear** actuators from elero. The regulation of the fresh air system is taken care of by ten **Econom 2** actuators from elero. These powerful push-rod actuators move the slats on the roof, thus making an important contribution to the concept behind the active climate control façade.

©Model System Italia, Ludwig Thalheimer / Lupe

Villa Necchi Campiglio

Automation of external roller blinds

Location
Milan, Italy

Year
2015

Architect
Conference Hall
General Contractor: Nessi&Majocchi
Concept: Arch. Piero Castellini
Baldissera, Arch. Massimo Curzi

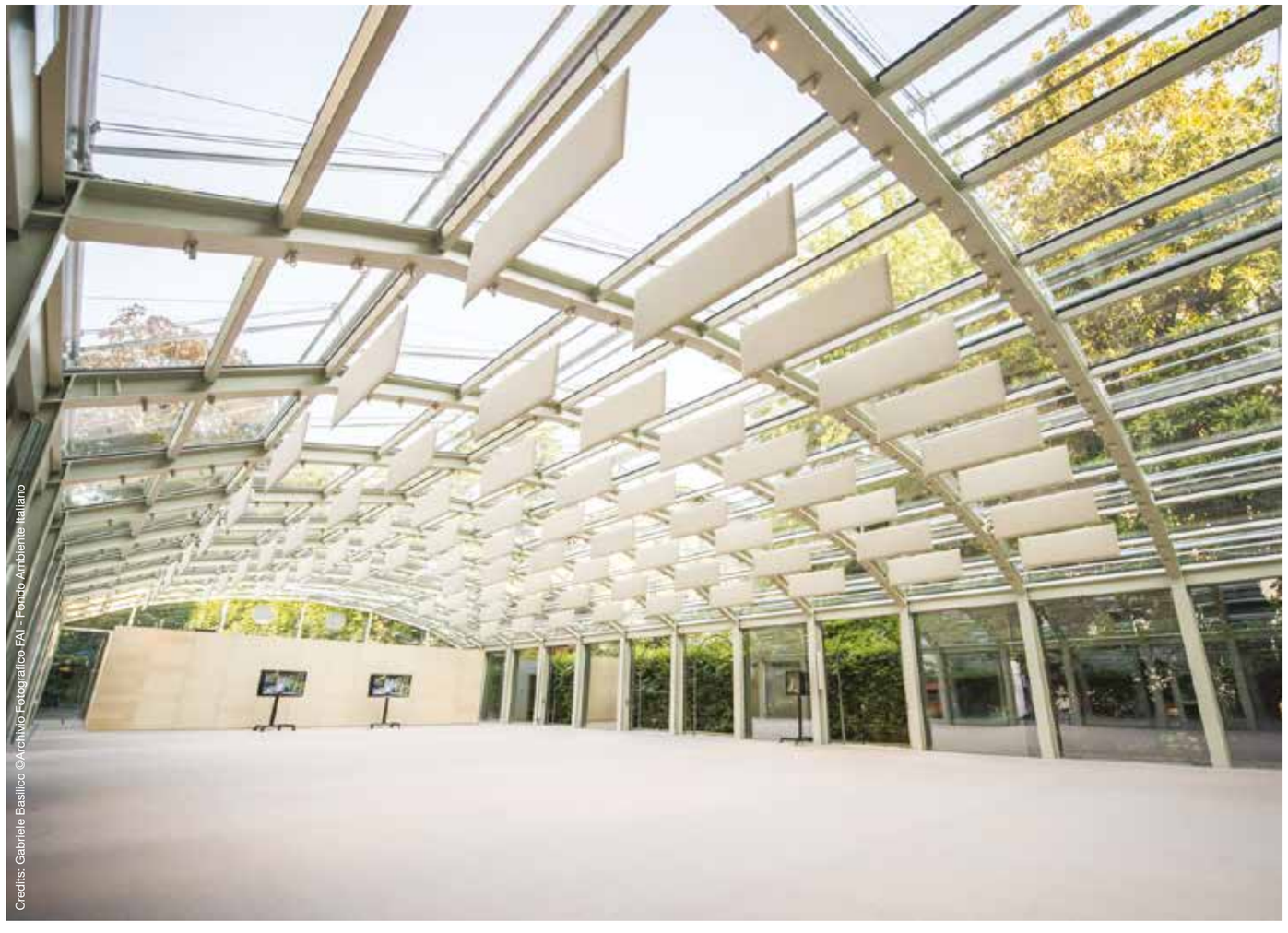
Structure
Conferences & events hall

Brand

Nice

Villa Necchi Campiglio is a splendid example of rationalist art and architecture in the centre of Milan, built by Piero Portaluppi between 1932 and 1935. The residence, donated to FAI (Fondo Ambiente Italiano - The National Trust for Italy) by the Campiglio family in 2001, is now a house museum.
In 2015, important renovation works were completed in the Villa: the original tennis court was dismantled and replaced by an elegant glass and steel structure, recalling the shape of a greenhouse, which hosts conferences and events.

To protect the 470-sq.m. covered space from direct sunlight, a series of external roller blinds were installed on the top of the glass vault.
Nice Era tubular motors were chosen to automate the blinds' movement thanks to their versatility, ease of installation and integrated control.



Credits: Gabriele Basilico ©Archivio Fotografico FAI - Fondo Ambiente Italiano

Credits: Gabriele Basilico ©Archivio Fotografico FAI

Credits: Gabriele Basilico ©Archivio Fotografico FAI

Münchner Stadtbibliothek

Automation of external roller blinds and awnings

Location
Laim, Munich, Germany

Year
2014

Structure
Public Library

Brand

Nice

The 4-floor building, a very popular landmark in Munich, houses the city library and commercial offices.
In order to protect the large window walls running along the entire length of the building, and to guarantee the best lighting conditions inside the library in any weather, a full system of automated roller blinds and awnings has been installed. Thanks to the collaboration with a German textile laboratory, two different types of made-to-measure blinds have been produced, and installed in two different ways: with arm and with roller.

More than 100 tubular motors with electronic limit switches guarantee the automation of the whole system; the entire building can change shape and colour with a simple click.
Moreover, the installation of Nice control systems, which was planned together with the customer, allows the automation's management either centrally, by individual floor or defined zone.
The building can now easily ensure a high level of comfort for its users, who enjoy the ideal light at all times.

drl LexIcon Library

Automation of internal blinds

Location
Dublin, Republic of Ireland

Year
2014

Architect
Carr Cotter Naessens Architects

Structure
Public library

Brand

Nice

Built in 2014, dlr LexIcon is the main library and cultural centre of the Dún Laoghaire–Rathdown area of Dublin. It houses adults', children's and audiovisual lending libraries across three floors and a basement area. Internally, the building is varied, including large open areas, performance spaces and smaller reading rooms, as well as office space for administration and archives. The design was produced by architects Carr Cotter & Naessens after a 2006 competition that attracted 139 entries. The building has been praised for its environmentally friendly construction, which took environmental concerns such as heating efficiency into account.

The library required a system for its blinds that could automatically adapt to light and temperature changes. In partnership with Savano Group, Nice provided temperature and light sensors and motors that interfaced with dlr LexIcon's building management system. This allowed the entire system to respond to changes in its environment and to adjust the blinds accordingly, whilst also allowing central control.


©View Pictures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©William Murphy


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Rosenheim Elementary School

Automation of active façades

Location
Rosenheim, Germany

Year
2005

Structure
Educational complex

Brand
elero

Reliable visual protection with optimum use of natural light was the challenge faced by the Berlin-based architects' office Heydorn Eaton when it was commissioned with the extension of Rosenheim Elementary School in 2005.

The solution is a movable façade of some 23 meters in width in front of the windows – the façade consists of 38 vertical metal slats, moved by the drive system **LIMAline 300** from elero. Thanks to this automation system an angle of rotation of 360 degrees is possible – meaning they can always be aligned in an optimum manner to keep out prying eyes and nevertheless allow sufficient daylight into the rooms.

Groupe Scolaire Henri Wallon

Automation of external roller blinds

Location
Nîmes, France

Year
2012

Architect
Nathalie Portal & Richard Teissier architects

Structure
Educational complex

Brand

Nice

Located in Nîmes, Southern France, the Groupe Scolaire Henri Wallon is a public education complex comprising an elementary school and a kindergarten, which includes 18 classrooms, 2 sport halls, workshops, play grounds, common spaces both indoor and outdoor, and a restaurant. The innovative and modern building, inaugurated in 2012, was planned and designed following a "high environmental quality" approach, with the aim of creating a smart building with excellent energy performances. In order to reach the best standards in terms of energy efficiency, an optimal use of natural lighting sources was essential: for instance, several light wells equipped with mirrors were created to diffuse the natural light inside the building.

Moreover, windows have been equipped with external roller blinds, in order to protect the rooms from direct sun light, and at the same time respect the external architecture of the building, characterised by its distinctive coloured panels. Nice tubular motors were chosen for **the automation of the 136 external roller blinds**, thus ensuring their reliable and safe movement.

Hospitality

Caravan Park Sexten

Automation of barrier gates

Location
Sesto, Italy

Structure
Camping and Wellness Resort

Brand

Nice

The Caravan Park Sexten is located near the Italian town of Sesto, in South Tyrol region. Nestled in a stunning valley surrounded by the spectacular Sesto Dolomites and nature park, declared a UNESCO World Heritage site, Sesto is a privileged holiday destination for mountain lovers both during summertime and wintertime.
The Caravan Park Sexten offers an innovative camping concept, which is unique in South Tyrol: the feeling of being in direct contact with the wild and uncontaminated nature goes together with a world of innovative services such as swimming pools, wellness centre, fitness hall, restaurants and shops.
In the Park guests can experience an exclusive and truly relaxing holiday in the heart of the Dolomites, surrounded by an enchanting landscape.

Nice barriers and flashing lights have been installed at the entrance of the park to guarantee safe and easy access for its guests: thanks to Nice technology and design, the barriers fit elegantly in the context, and their discreet presence does not harm the beauty of the place.

©Caravan Park Sexten HA S.R.L.

©Caravan Park Sexten HA S.R.L.

JOA Casino

Automation of internal roller blinds

Location
Montrond-Les-Bains, France

Year
2012

Architect
DATA Architectes

Structure
Casino and entertainment complex

Brand

Nice

Montrond-les-Bains is a small town on the Loire river, in central France, which has been a tourist destination since 1885 thanks to its spa resort. Ideally located in the heart of the town, the JOA Casino is a real leisure complex offering multiple formes of entertainment and therefore is a key element of the tourism offer. In addition to table games and slot machines, visitors here can find a bowling alley, a restaurant, a lounge bar, a theatre, a dancefloor, relaxation rooms, and a small brasserie offering artisanal beers, brewed on site. The structure of the building, characterised by wide and bright spaces and a modern design, wants to contribute to the visitors' comfort and wellbeing: the glass walls ensure natural and comfortable lighting of the interior, but at the same time required the installation of solar protections in order to filter direct sun light.

Nice tubular motors were then chosen for the **automation of 50 internal roller blinds**: in this way, visitors can enjoy their time in the Casino, with the benefit of the ideal light at any time.

Kameha Grand Hotel Bonn

Automation of venetian blinds

Location
Bonn, Germany

Year
2009

Architect
Karl-Heinz Schommer
Interior Designer: Marcel Wanders

Structure
Hotel

Brand
elero

The Kameha Grand Bonn Hotel combines the sophistication of a business hotel with the cosiness of a five-star boutique hotel. It celebrates transparency, offering guests a panoramic view of the meandering Rhine river and the city of Bonn. While majestic curtains divide and warm the hardness of the glass architecture, intimacy is provided and the grand size of the spaces is sensitized to a human scale. With 250 rooms, a multi-purpose hall, meeting rooms, a ballroom, a sushi restaurant and an all-day dining restaurant, spa and an outdoor pool on a terrace, the hotel has a premier offer. The Kameha Grand not only convinces thanks to its architecture, it also meets all the demands made on a "green building" as it utilizes passive solar energy, intelligent cooling systems and geothermal energy.

Alongside the impressive energy concept, the floor-length windows, which allow a view into the event hall in the hotel's interior, are fitted and motorized with aluminium blinds of The Nice Group's partner ABBA Protezioni Solari and elero drives. Using wall-mounted or hand-held transmitters the guests can set these in line with their individual needs. The **JA drives** – **514** in total – are fitted with noiseless "Soft" brakes and function particularly quietly, an important prerequisite for a perfect combination of comfort, functionality and design.


©BonnVisio


©BonnVisio


©Marcel Wanders

Hospitality

Marina Bay Sands Hotel

Control systems for interior blind and curtain automation

Location
Singapore

Year
2013

Architect
Moshe Safdie

Structure
Hotel and resort

Brand

Nice

Marina Bay Sands Hotel is the largest and most impressive resort in Asia, designed by architect Moshe Safdie alongside Singapore's docks. The three striking 55-floor tower blocks house 2,560 luxury rooms, and are topped by the famous "boat", where the Sands Sky Park with tropical gardens, an observatory and the world's largest infinity swimming pool, all 200 m from the ground, create one of the most amazing hotel rooftops in the world. In order to protect the hotel's rooms from the sun, various configurations of indoor curtains and blinds were installed: classical double curtain tracks in the individual rooms, and roller blinds in other areas of the building.

For the control of the curtain tracks' automation, it was decided to rely on Nice and to use the award-winning **NiceWay** modular transmitters. Nice **Mindy TT1N** devices were provided for concealed, pass-through installation to control each individual curtain track, and **over 1,200 wall-mounted control modules** were installed to manage the curtains' movement simply and elegantly. Out of the various colours available, the square aluminium wall plate was chosen in order to fit best in the hotel rooms. Thanks to the **NiceWay** transmitters' self-learning feature, setting the transmitters was particularly easy and quick.

Radisson Blu Iveria Hotel

Automation of barrier gates

Location
Tbilisi, Georgia

Year
2014

Architect
GRAFT

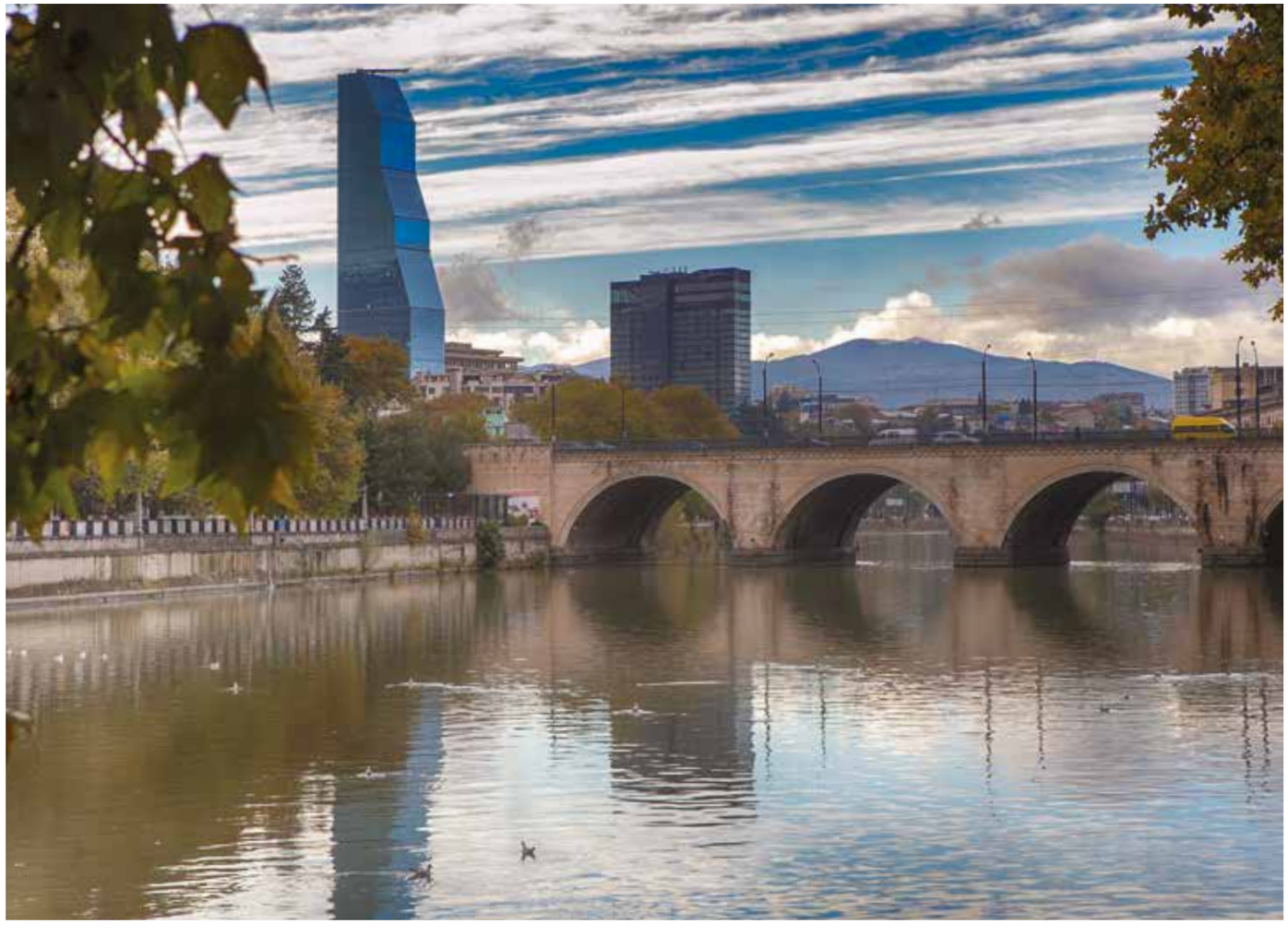
Structure
Hotel

Brand

Nice

An imposing glass tower standing on the bank of the Mtkvari river with a breathtaking view of Tbilisi: the Radisson Blu Iveria Hotel is a premium location for both business and leisure in the capital city of Georgia, offering plush accommodation, meeting rooms, panoramic restaurants and bars, internal spa and casino.

To automate access to the main hotel car park, the barrier gates from the NiceBar system were the ideal choice: three **M5Bar** barriers, with 5-meter bars, were installed to manage the parking access.
A loop detector enables the entry barrier to be raised automatically, as the vehicle approaches, while the exit barrier can be controlled by the operator handling the payments or from the hotel's reception using a four-channel **Era One** transmitter.
Nice technology guarantees a correct and safe functioning for all operations, at all times.



Silken Puerta América Hotel

Automation of awnings

Location
Madrid, Spain

Year
2005

Architect
Façade design: Jean Nouvel – Ateliers Jean Nouvel and Alberto MEDEM – TEMA Taller Estudio Medem Arquitectos

Structure
Hotel

Brand
elero

The 5-star hotel "Puerta América" in Madrid was designed by an international team of 19 star architects including Jean Nouvel, Arata Isozaki, Christan Liaigre, David Chipperfield, Harriet Bourne and Jonathan Bell, Javier Mariscal and Fernando Salas, John Pawson, Kathryn Findlay, Marc Newson, Norman Foster, Plasma Studio (Eva Castro and Holger Kehne), Richard Gluckman, Ron Arad, Teresa Sapey, Victorio & Lucchino, Zaha Hadid. Thanks to the incident light going through the 14 different colours of the 500 awnings enveloping the façade, each room takes on a special shade – and a unique atmosphere.

The technical implementation of the striking sun protection system, fitted with elero drives, was assumed by the Italian company Model System Italia. When seen from the street, the awnings attract the attention of passers-by for one more reason: extracts from the poem "Liberté" by Paul Eluard are printed on them.

©Rafael Vargas


©Rafael Vargas

The Drunken Lords Pub

Automation of industrial doors

Location
Bucharest, Romania

Year
2013

Structure
Pub

Brand

The Drunken Lords pub, in the historical centre of Bucharest, is a popular spot of the Romanian capital's nightlife. Due to the high number of people crowding the place especially during the weekend, the pub needed to augment its capacity and facilitate ventilation during summer.
Nice provided a smart solution that allows one to open and transform the external walls of the pub in a simple and quick way, without the need of any building work.

Nice Industrial gearmotors, which can operate up to 300 kg in total security, and their control unit were chosen to automate the horizontal hinged opening of the big window walls, thus creating a wide open space connecting the interior of the pub with the outside area, and perfectly fitting with the nearby street.

W Barcelona Hotel

Automation of internal roller blinds

Location
Barcelona, Spain

Year
2009

Architect
Ricardo Bofill Taller de Arquitectura

Structure
Hotel

Brand

Nice

Popularly known as the Hotel Vela, W Barcelona is one of the most luxurious and stylish hotels in one of the most dynamic and exciting cities in Europe. Its 24 floors, reflective glass façades and a distinctive shape make it an avant-garde icon of stunning architecture, designed by world-renowned architect Ricardo Bofill. Located on the beachfront along the famous Barceloneta boardwalk, the five-star hotel rises high above the Mediterranean Sea offering a unique contemporary experience to its guests. It comprises 473 rooms, 67 suites, a spa and fitness centre, indoor and outdoor pools, terraces, beaches, bars, restaurants, dance rooms, and unveils spectacular panoramic views over the Mediterranean and the city of Barcelona.

Nice contributed to the realisation of this outstanding project with its **tubular motors**, which were installed in the hotel rooms for the automation of interior blinds: the best way to filter strong sunshine while ensuring an ideal use of natural daylight in the rooms.

Commercial & Retail

Campus Veolia Centre Est

Automation of industrial doors

Location
Meyzieu, France

Year
2012

Architect
Arte Charpentier Architectes

Structure
Educational complex

Brand

Nice

Campus Veolia is the education program promoted by Veolia group, the French transnational company which is a leader in the sector of water supply and management, waste management, energy and transport services. The Campus Veolia global network brings together Campuses in 10 countries, offering several education and training opportunities in management of drinking water, wastewater treatment, waste recycling and recovery and energy optimisation. The training programs are organised in close relation with businesses and local authorities, in order to give students the opportunity to learn, alternating courses dispensed by experts in the sector with practical sessions, and thus preparing them for the reality and the needs of the field.

At the heart of the Rhône-Alpes region, the Campus Centre Est is one of the Campuses based in France: a 9,000 sq.m. energy-efficient structure built on 3.5 hectares, the campus offers numerous modular spaces, suitable for the realisation of any kind of event: seminars, exhibitions, conferences, receptions, meetings.
For the automation of the 11 industrial doors in the Campus, Nice provided its **industrial motors**, ensuring safe and easy opening and closing operations.

Technogym Village Store & Showroom

Automation of external roller blinds

Location
Cesena, Italy

Year
2013

Architect
Citterio-Viel & Partners

Structure
Headquarters & Showroom

Brand
elero

"Improving the quality of your life through sport and a correct diet", that is the mission of Technogym Village, the first Wellness Campus in the world constructed on the initiative of Nerio Alessandri, chairman of Technogym. Designed by the Antonio Citterio Patricia Viel & Partners Studio, the imposing building occupying more than 60,000 sq. m. is inspired by the concepts of eco-awareness and conceived for the company's employees.

For the automation of the innovative new premises, Technogym contacted Resstende and its partner elero, who created a customised system of technical screening for the entire structure, able to manage and regulate natural light, protecting the interior from solar radiation and guaranteeing a view of the surrounding panorama.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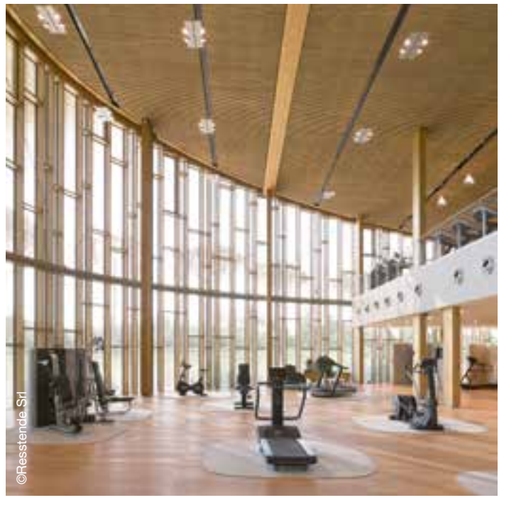
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Vodafone Headquarters

Automation of active façades

Location
Lisbon, Portugal

Year
2002

Architect
Alexandre Burmester
Arquitectos Associados, Lda

Structure
Headquarters

Brand
elero

For the new Vodafone Headquarters in Lisbon the architects A. Burmester Arquitectos Associados came up with an original idea for sun protection: aluminium panels that fold vertically and offer protection from the sun and noise, lending the façade such a special appearance that it now ranks among the most extraordinary buildings in Europe.

Be it a small residential house or a gigantic office complex, the drive technology has to be robust, reliable and flexible. This is the reason why elero's tubular motors were chosen for this exceptional project. **Nearly 1,000 drive units** were installed to ensure reliable opening and closing: together **with the appropriate elero control units**, they move the aluminium shutters at 14 rpm, thus giving the façade its characteristic "wrinkly" look.


©Hanneorla Hanneorla


©Hanneorla Hanneorla


©Alexandre Burmester Arquitectos Associados, Lda


©Alexandre Burmester Arquitectos Associados, Lda

UniCredit Pavilion

Automation of active façades

Location
Milan, Italy

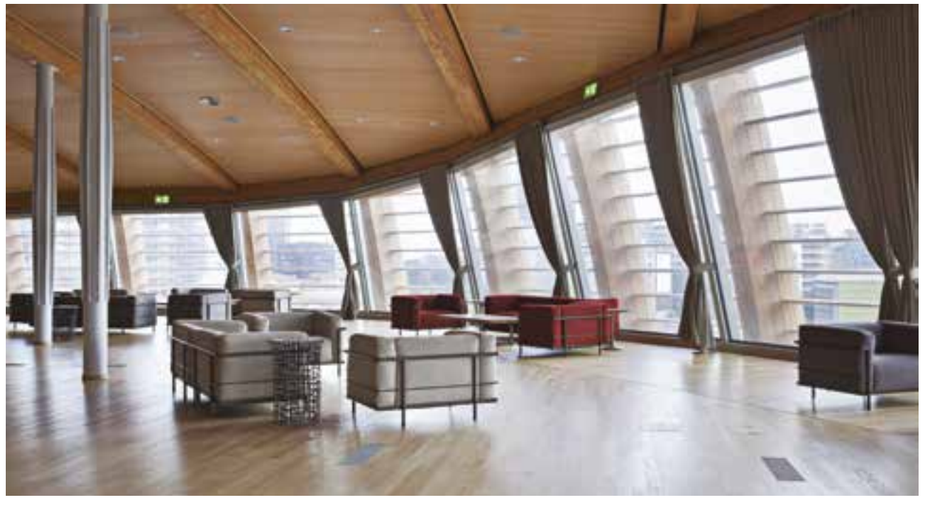
Year
2015

Architect
Michele De Lucchi

Structure
Auditorium
and exhibition hall

Brand
elero

The UniCredit Pavilion is a multipurpose building located in the heart of Milan, in the new and dynamic Garibaldi - Porta Nuova district.
An innovative space for culture, people and business, it hosts exhibitions, cultural events, conferences and music concerts open to the public of the city.
Situated right next to the UniCredit tower, the structure includes an auditorium with seating for 700, an overhead walkway for temporary art exhibitions, a nursery, and a lounge for corporate events. This unconventional, sustainable construction conceived by architect Michele De Lucchi, was developed using natural materials such as wood frame and a glass shell, and innovative construction techniques combining cutting-edge technology with a great respect for the environment and compliance with sustainability regulations, the architecture enhances the relation between nature and human.
The glazed structure is enclosed by a ribbed cage with laminar larch beams, designed to control and regulate natural light coming from the outside.
ABBA Protezioni Solari, partner of the Nice Group, chose to automate the slats using elero **linear motors**, with a special installation directly inside the wood frame. elero motors' precise movements ensure perfect lighting conditions and comfortable climate inside the building, contributing to its energy efficiency and responding to the needs of the different activities taking place, such as theatre performances, events, film shows or exhibitions where artworks need to be protected from direct sunlight.



Public Spaces

Aeropuerto Internacional De Carrasco

Automation of rolling doors

Location
Montevideo, Uruguay

Year
2009

Architect
Rafael Viñoly Architects

Structure
Airport

Brand
elero

The airport in Uruguay's capital Montevideo, designed by the renowned architect Rafael Viñoly, is a real eye-catcher: a massive roof runs along the entire length of the building, with 8,000 sq. m. of glass ensuring optimum use of natural daylight.

The most innovative technologies have been used in the building both in its architecture and in its internal structures: various rolling doors, for example in the duty-free area, are motorized with elero drives.

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Kirchheim-Nürtingen Hospital

Automation of venetian blinds

Location
Nürtingen, Germany

Year
2010

Structure
Hospital

Brand
elero

The use of specific colours, as well as bright rooms and open space, have been demonstrated to have an impact on well-being and recovery. This is why the architects of the new clinic complex built in Nürtingen, Germany – opened at the end of 2010 – decided to use exterior venetian blinds motorized with 900 elero motors.

The precise drives move the venetian blinds and thus contribute to the regulation of healthy, natural daylight. The opening and closing of the blinds take place almost unnoticed, in line with the wishes of the patients.

Incheba Exhibition and Convention Centre

Automation of barrier gates

Location
Bratislava, Slovakia

Year
2015

Structure
Trade fair

Brand

Nice

Located on the bank of the Danube River and overlooking the historic old town of Bratislava, the INCHEBA Exhibition and Convention Centre regularly hosts some of the most important trade shows, not just for Slovakia, but for the whole of Central and Eastern Europe. Some years will see as many as 1 million visitors come to the convention centre to visit the various trade shows.

The entrance to the main visitor carpark is constantly in use and requires a barrier system, which can deal with the high frequency of traffic. The owners of the INCHEBA Expo therefore chose to install Nice **MBar** barriers, not only for the guaranteed quality, but also for the cutting-edge technology and Italian design.
The barriers were supplied by AXIAL s.r.o, a long-term Nice partner in Slovakia.

Messe Stuttgart

Automation of active façades

Location
Stuttgart, Germany

Year
2007

Structure
Trade fair

Brand
elero

Messe Stuttgart is one of the main exhibition centres and trade fairs in Germany, hosting 67 events and welcoming 1.27 million visitors each year. A conical glass roof spans the entrance area of the trade fair, and a horizontal shading beneath the roof ensures a well-temperate climate. The shading is made up of 80 textile-covered slats as long as 7.5 metres, which may be turned by 90 degrees on their horizontal axis.

In order to bring these reliably into the desired position, the planners of the sun protection system decided to install a drive solution from elero Linearantriebstechnik:
Econom 0 linear actuators, each with a force of 3,000 newtons, move the slats precisely, right down to the millimetre.

Wörthersee Stadium

Automation of venetian blinds

Location
Klagenfurt, Austria

Year
2007

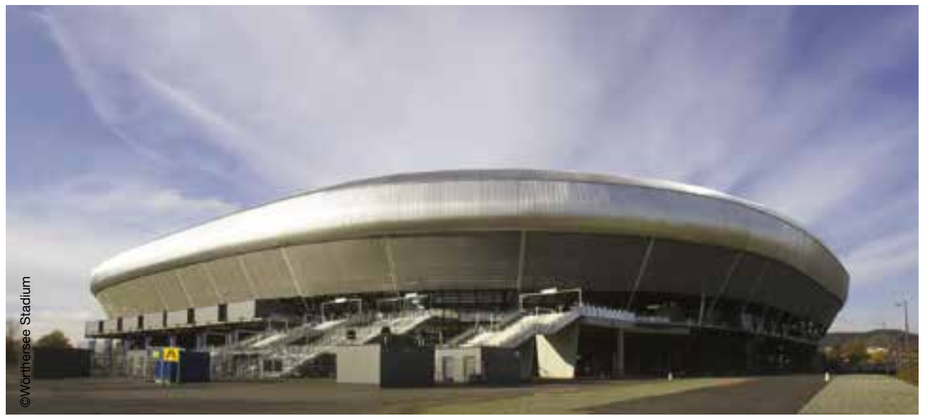
Structure
Stadium

Brand
elero

Wörthersee Stadium in Klagenfurt is a modern arena accommodating some 30,000 spectators, which was also used for matches during the 2008 European Soccer Championships. The optimum use of natural light was an important criterion for the planners: in particular, the west façade is made of large panoramic windows.

In order to avoid any unpleasant dazzle even when the sun is low in the sky, the architects opted for motorized external Venetian blinds. 120 elero drives of the type **JA 05 Soft** and 54 drives from the **JA 09 Soft** series are used to move the 900 sq. m. self-supporting sun protection.

©Wörthersee Stadium



©Wörthersee Stadium

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Resi-dential

Private House

Automation of active façades

Location
Auckland, New Zealand

Year
2010

Structure
Private house

Brand
elero

"Convertible roofs" are flexible roofing systems for patios and terraces with large slats made of glass, aluminium or stainless steel, which can be set individually depending on weather conditions. In New Zealand, due to the extreme weather conditions, they have already been tested: in recent years, restaurant owners and hoteliers have increasingly covered their outdoor areas with large moving slats, thus creating additional "open spaces". Meanwhile, customers in the private sector are also discovering the benefits of this flexible roof system for themselves.

The owner of this family house in Auckland chose the **Picolo 0 linear** drive from elero for his terrace roof. Intelligent linear drives provide easy control of the large slats and create ideal lighting conditions. Thanks to elero's **Picolo 0** the roof slats can be adjusted depending on the weather: they offer protection against heat, prevent dazzling in strong sunlight and yet allow a view of the sky. If required, such as on rainy days, the roof can even be completely closed.

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Private House

Automation of venetian blinds

Location
Ravensburg, Germany

Year
2008

Structure
Private house

Brand
elero

The keyword of contemporary residential architecture is openness. Families would most like to bring nature right into their homes, and architects would - if they could - completely do without walls to create unison between a building and its surroundings. A house in Ravensburg comes very close to this ideal: Alexander Frangoul has designed a two-storey building for himself and his family, with a glass façade providing spectacular views overlooking nature, and a ground floor that can even be completely "folded" open, giving the living room the character of a covered terrace.

A pleasant living climate is given by intelligent automated venetian blinds, which prevent the area behind the façade from being heated excessively and offer residents privacy when needed. Automation ensures added comfort: the blinds move according to the weather, thanks to elero's drives controlled by a central **AeroTec** unit. A sun/wind sensor continuously transmits its readings to the **AeroTec** and makes sure that the home is not overheated, or that the equipment damaged during heavy storms in the absence of residents. The folding glass façade and intelligent sun protection create a perfect living experience - both indoors and outdoors.


©Alexander Frangoul


©Alexander Frangoul


©Alexander Frangoul

Residential Complex

Automation of swing gates and garage doors

Location
Saint Christophe, Aosta, Italy

Year
2014

Architect
Roberto Rosset

Structure
Private residential complex

Brand

In the heart of Valle d'Aosta, Saint-Christophe is a small town set in a large hilly area just 3 km from the Region's capital, surrounded by orchards and vineyards. Here is a new multi-family residential complex, the result of a masterful project for redeveloping an ancient rural building by architect Roberto Rosset. During the work, the original stones were completely recovered, and the building was carefully reconstructed following the same identical fabric, shape and volume of the old house. Particular attention was paid to the balance between nature and the contemporary, using natural materials and adopting green building principles.

In order to offer the inhabitants of all four units the maximum comfort when entering and leaving home, Nice automation was chosen. The work was entrusted to Multi Habitats, a long-term Nice partner in Valle d'Aosta, who installed a complete Nice **MFab** underground automation system for double gates equipped with photocells and flashing light. For access to the garage, a Nice **SpinBus** system was installed, complete with photocells and flashing light. For access control, each family unit was then equipped with **Era Inti** transmitters, the slim and colourful transmitter, ideal for multi-user installations.

©Stefano Venturini

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