### WINDOW COVERINGS

# **EXAMPLE 1 EXAMPLE 1 EXAMP**

**HunterDouglas** 

It's an exciting time to be an architect. New methods, new materials, and new designs that were not feasible as little as two decades ago.

Throughout the world, Hunter Douglas is helping bring original ideas off the drawing board and into reality. We're working alongside the architecture and design community, creating some of the world's most recognizable buildings.

We know how much work goes into each project. That's why we've dedicated ourselves to the idea that for architects and designers to create innovative projects, they need innovative, customizable products.

'Innovative Products Make Innovative Projects

'Inspiring environments stimulate creativity and effectiveness of people'

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# History



#### Innovation lies at the heart of the Hunter Douglas culture through research, as well as actively encouraging new talent.

From our founding in 1919, Hunter Douglas has been a home for innovators. Established by entrepreneurs, our culture has been one of innovation and advancement that attracts the best and the brightest. With global manufacturing and distribution capabilities, our international presence is uniquely multi-cultural, yet distinctly dedicated to a shared vision to meet the ever-changing needs of our customers.

We never stop innovating at Hunter Douglas. Innovation is at the very core of our business. Our decentralized structure actively stimulates innovation throughout the company where we encourage constant experimentation with our products. Many of our most exciting developments are born from the front line of the organization. At our specialized R&D centers in the United States, The Netherlands, Germany and Asia our engineers and designers are working together developing new products. It's fun and exciting to develop and refine products that enhance and manage light but also satisfy design conscious consumers and architects. Even the smallest refinement in a product can bring around big benefits in energy savings and light management for homes and offices.

Architects are our inspiration. At Hunter Douglas we actively collaborate with customers to develop new product concepts and sustainable solutions for window coverings and architectural products. We are continually seeking, testing and developing new concepts and products that will enable us to meet ever-more-demanding standards of performance. Our growing range of sun control solutions, ceilings, facades, motorized products and building management systems help today's architects move their projects to the forefront of sustainable building.

#### Introduction

Business is people. At Hunter Douglas, we pride ourselves in our employees - a worldwide network of experienced, intelligent, passionate and creative men and women in over 100 countries worldwide, working together in the spirit of collaboration that keeps Hunter Douglas at the forefront of innovation for the home and office.



#### New times are ahead

For more than 50 years, the architecture and design community has specified high performance solutions from Hunter Douglas. Our advanced sun control systems, intelligent façade solutions, high performance acoustic ceilings and innovative products and materials, significantly contribute to Indoor Environmental Quality and help conserve energy.

Our expertise in customization, fabrication, installation and technical support delivers outstanding products with our design hallmark, outstanding performance and exceptional durability. With major operation centers in Europe, North America, Latin America, Asia, and Australia, we've contributed to thousands of high profile installations, from retail and commercial facilities to major transit centers and government buildings.

Not only are the world's architects and designers our partners, they're our inspiration. As they continue to raise the bar for excellence, we're creating innovative products to bring their visions to life.

Our Impressions book showcases your exciting projects and designs featuring interior and exterior projects.

Aad Kuiper President & CEO Hunter Douglas European Operations

Hunter Douglas high performance solutions contribute to sustainable building architecture

'Good indoor environmental quality and substantial energy savings go hand in hand'

# Sustainable Comfort

# Sustainability

#### Comfort, Energy and Materials are at the heart of Hunter Douglas' philosophy to provide sustainable solutions.

Solutions that balance these elements are at the heart of sustainable architecture. Comfort as an integral element of sustainable construction underlined by building rating systems like LEED, BREEAM and DGNB.

Specifying solutions that enhance interior comfort and indoor environmental quality are essential as employees spend more than 90% of their life indoors. Worker productivity is significantly impacted by both good indoor climate (positively) and bad indoor climate (negatively). In a typical office over 80% of the costs are people related but usually less than 1% is spent on energy. Solutions that enhance productivity even by as little as 1% can create significant financial savings and reduce energy consumption by up to 50%.

#### Comfort in the indoor environment is usually composed of four key aspects:

Visual: Visual comfort is a key component as highly glazed facades and the use of daylight can conflict with computer display devices. Glare is frequently experienced in offices and classrooms. Glare can be reduced by managing incoming daylight to reduce brightness ratios. Hunter Douglas window coverings solutions diffuse glare for visual comfort and move daylight into a space, reducing energy used by artificial lights.

Thermal: Air temperature and the temperature of the surrounding window surfaces play an equally important role as both temperatures are influenced by solar heat gain through windows. To create optimal thermal comfort both external and internal shading strategies can to help achieve a balanced thermal environment. Energy-saving building envelopes with award winning Hunter Douglas shading systems, can help control solar heat gain, moderate temperatures and significantly enhance performance and efficiency.

Acoustic: The trend towards open plan offices with individual workstations rather than traditional walled offices workers can mean workers experience poor acoustic comfort, speech intelligibility and speech privacy which can impact productivity. Noise of equipment and conversation have been shown to impact worker comfort and productivity. Hunter Douglas acoustical ceiling systems optimize interior environmental quality a noise reduction coefficients (NRC) up to 0.85.

Indoor Air Quality: Research shows that poor indoor air quality relates to health problems and reduced human performance in general. IEQ problems are often caused by ventilation system deficiencies, overcrowding, off gassing from materials in the office and mechanical equipment, tobacco smoke, microbiological contamination, and outside air pollutants. Hunter Douglas has a full line of low VOC products that pass the GreenGuard® Air Quality Certified® and GreenGuard® for Children and Schools SM standards. All GreenGuard Certified Products have been tested for their chemical emissions performance including for formaldehyde, volatile organic chemicals (VOCs), respirable particles, ozone, carbon monoxide, nitrogen oxide, and carbon dioxide.

Hunter Douglas solutions can deliver significant environmental benefits by improving buildings' performance, and may contribute to LEED, BREEAM and DGNB certification.

Window Coverings	: Controlling light improves visual comfort and energy efficiency
Ceilings	: Solutions that ensure long product life and excellent acoustical performance
Solar Control Solution : Systems manage solar thermal gain to save energy and reduce carbon footprint	
Façade Systems	: Ventilated approaches to cladding offer sustainable benefits for both new construction and building refits

Energy Use Is & Design Covisual Naterials ual Personal Control Energy Use

Energy use and supply are of prime importance in building rating systems as LEED, BREEAM and DGNB. They are also at the forefront of many governmental information campaigns derived from Europe's 20-20-20 goals, aiming at 20% reduction of greenhouse gas emissions, a 20% share of energy from renewable resources and a 20% improvement in energy efficiency.

Sometimes one gets the impression that energy savings are the one and only objective. Too single minded an approach might jeopardize indoor climate? Fortunately, energy efficiency and good indoor environmental quality need not be at odds. On the contrary, it just takes an integrated strategy to design a great building that reconciles seemingly incompatible requirements. Harnessing the sun and managing light control are instrumental strategies getting the best from the largest free energy flux available to us: light from our sun.

The environmental impact of the use of materials in the build environment is getting increased attention. This is not surprising as buildings are among the heaviest construction we create and the environmental impact is directly proportional to the amount of material used. At Hunter Douglas our strategy is to pick materials that have good environmental properties. Next, we process them as efficiently as possible to reduce any adverse impact at this stage of their life. The design and quality of our products ensure a long lifespan not only technically but also aesthetically. This aspect often has a decisive influence on the eventual lifetime and therefore environmental impact of a product or material.



Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.

keen: green Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.



The Dutch Green Building Council (DGBC) was founded in 2008 in the Netherlands as a market initiative. The aim was to make Sustainability in the building industry measurable by developing a sustainability label allowing for the uniform rating of buildings throughout the Netherlands. *'Well designed Intelligent daylighting and shading systems can provide good comfort with personal control'* 

HunterDouglas Window Coverings offers a complete sustainable comfort program

# Window coverings



**Design, Functionality and Comfort:** Our Window Covering come under the general term 'solar shading', which means that they allow control of the amount of heat and light emitted by the sun. That is to the benefit of comfort and energy consumption, because Hunter Douglas solar shading products keep excessive heat out in the summer and gently filter the abundant sunlight, while optimizing the use of the inexhaustible source of the free, renewable energy that is natural daylight.



HunterDouglas Window Coverings a complete sustainable comfort program

#### HunterDouglas Window Covering Programm





# Hancock Gulfport, MS, United states Bank Building





Today, occupants of Hancock Bank's class-A office space keep watch over the Gulf night and day. Even during the brightest hours, Hunter Douglas Roller Blinds control glare to allow for enjoyable, panoramic views in every direction.

Thanks to the fabric blinds, the relatively thin curtain-wall facade with large window openings is suited well to the Gulf shore's sunny days. Other architectural upgrades were developed to ensure this lighthouse weathers the next major storm.

The effect within the spaces is slick and integral to the architecture. The roller shades are hidden within dark rectangular valances specified to approximately match the width of the window mullions, which are in a contrasting hue. When operated, the shades appear coordinated and neutral regardless of whether their heights are set to match or not. The high-performance fabric filters light yet appears uniform and practically invisible throughout, especially when all are fully closed throughout a space.

Effective and attractive, our roller blinds offer hundreds of fabric choices, mounted on durable, powerful operating systems. They are a versatile and reliable choice to manage light and control glare for a wide range of manual and motorized applications.

Project : Hancock Bank Building Location : Gulfport, MS, United states Product : Roller Blinds EOS®500 Architect : Grace & Hebert Architects







Project: Aeropolis IILocation: Brussel, BelgiumProduct: External Venetian BlindsSpecial: Integrated in the Building management SystemArchitect: Architectes Associés









Project : Wrocław Airport Location : Wrocław, Poland Product : Roller Blinds EOS® 500 Architect : JSK Architekci Sp z o.o.

Wrocław Wrocław, Poland Airport



In the main hall the Hunter Douglas award winning product EOS® 500 Roller Blinds with glass fiber screen fabric powered by Hunter Douglas silent electric motors were selected, while in office areas state of the art EOS® 500 solutions were used with silent motors

### **UNICREDIT TIRIAC BANK HEADQUARTERS** Bucharest, Romania



The headquarters of Unicredit Tiriac Bank in Bucharest is a tailor made project with the shape of the building reflecting the bank's logo.



Unicredit Tiriac Bank headquarters • Bucharest, Romania



This Breeam certified building features Hunter Douglas motorized pleated blinds in the main board room and for the sloped ceilings and walls special shapes where created with manual operation.







Project: Unicredit Tiriac Bank headquartersLocation: Bucharest, RomaniaProduct: Motorised Pleated blindsArchitect: Westfourth Architecture





Project: Avans HogeschoolLocation: Tilburg, the NetherlandsProduct: EOS Beaufort External Roller BlindsArchitect: Ector Hoogstad Architecten, Rotterdam



### **Avans Hogeschool** Tilburg, the Netherlands





Project : Sandakerveien 114 Location : Oslo, Norway Product : EOS® Beaufort® External Roller Blinds Architect : Old building renovation

## Sandakerveien 114 Oslo, Norway







 Project
 : Sint-Vincentius GZA Ziekenhuizen

 Location
 : Berchem, Belgium

 Product
 : External Venetian Blinds

 Architect
 : Architectenbureau De Vloed, Heusden-Destelbergen



# Sint-Vincentius Berchem, Belgium GZA Ziekenhuizen

### **THE STATOL OFFICE BUILDING** *Fornebu, Norway*



The new regional office of the Norwegian energy producer Statoil ASA, has a state of the art design. The highly energy efficient solution features a façade with prefabricated elements, integrated windows, insulation and solar-shading.


Statoil regional and international offices • Fornebu, Bærum, Norway



The Mikado like façade elements features HunterDouglas® External Venetian Blinds which enhance the geometry of the facade.







Project : Statoil regional and international offices Location : Fornebu, Bærum, Norway Product : External Venetian Blinds Architect : a-lab (Arkitekturlaboratoriet AS)



 Project
 : Hotel Hedegaarden

 Location
 : Vejle, Denmark

 Product
 : External Venetian Blinds

 Architect
 : Uffe Lumbye Nielsen, Ravn Arkitektur



### Hotel Hedegaarden Vejle, Denmark





#### Asia Express Food, Kampen

The modern logistics center of Asia Express Food, imports and exports supplies throughout Europe. The logistics center with offices and refrigerated storage of approximately 3,500 m<sup>2</sup> is equipped with the Hunter Douglas EOS Beaufort External Roller Blinds with a vertical, electrically operated screen that is highly wind resistant.



Project: Asia Express FoodLocation: Kampen, the NetherlandsProduct: EOS Beaufort External Roller BlindsArchitect: Denc, Bussum



#### Asia Express Food Kampen, the Netherlands





Project : Sint-Augustinus GZA Ziekenhuizen Location : Wilrijk, Belgium Product : EOS®500 Roller Blinds Architect : Architectenbureau De Vloed

# Sint-Augustinus Wilrijk, Belgium GZA Ziekenhuizen





## Sports & Recreation Mechelen, Belgium Park 'De Nekker'





The Sports and recreation park Nekker pool Mechelen offers a range of indoor and outdoor activities, and the addition of a swimming pool makes the sports package even more complete.

The site revolves around the new entrance area where a pedestrian bridge makes the connection between the existing and new complex. The light, spacious and transparent space links to the panoramic patio, connecting canopy and spectacular pergola through carefully placed windows offering views of the surroundings. From all sections of the complex there are views of the beautiful grounds of Nekkerpool where the landscape is fully integrated into the design and plays a vital role in the new complex.

Pool water that is buffered at night to prevent evaporation, cradle-to-cradle tile finishing on the building exteriors, a state-of-the-art energy roof and the achievement of a K-level of 18 are just a few examples of the steps taken to meet the client's high ambitions in terms of sustainability both in materials choice and systems architecture.







- Project
   : Sports & Recreation Park 'De Nekker'

   Location
   : Mechelen, Belgium

   Product
   : External Roller Blinds, Techstyle® Acoustical Ceiling and Multipanel Linear Ceiling

   Architect
   : VenhoevenCS architecture+urbanism / BURO II & ARCHI+I





 Project
 : Ullevål sykehus bygg 8

 Location
 : Oslo, Norway

 Product
 : EOS® Beaufort® External Roller Blinds

 Architect
 : KAWAS Arkitekter



# Ullevål sykehus Oslo - Norway bygg 8



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EOS®500 Roller blinds	Wrocław Airport	Poland	Transportation	20 - 21
Motorised Pleated blinds	Unicredit Tiriac Bank headquarters	Romania	Offices	22 - 27
EOS® Beaufort® External Roller Blinds	Avans Hogeschool	The Netherlands	Education	28 - 29
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External Roller Blinds, Techstyle <sup>®</sup> Acoustical Ceiling and Multipanel Linear Ceiling	Sports & Recreation Park 'De Nekker'	Belgium	Leisure	46 - 49
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Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve

energy, supporting built environments that are comfortable, healthy, productive, and sustainable.





Belgium Bulgaria Croatia / Slovenia Czechia Denmark France Serbia Serbia Slovakia Greece Spain Hungary Sweden Italy Switzerland the Netherlands Turkey Norway United Kingdom Africa Middle East Romania
Asia Australia Latin America North America

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