



# Worldwide Projects

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**Project Name:** Würth Museum  
**Location:** Schwäbisch Hall, Germany  
**Year:** 2001  
**Application Type:** Factory



This museum opened in May 2001. Visionary Danish architect Henning Larsen of Copenhagen specified ClearShield for the high quality white glass supplied by Interpane. The glass used was 8mm special Ipasol Natura 6634 and a total 2,100m<sup>2</sup> of glass was protected with ClearShield. Contamination on the glass during construction was easily removed and reduced delays, thanks to ClearShield protection.

**Project Name:** Bláa Lónið (Blue Lagoon)

**Location:** Grindavík, Iceland

**Year:** 2004

**Application Type:** Onsite



The Blue Lagoon geothermal spa is one of the most visited attractions in Iceland.

The silica-rich environment constantly contaminated the glass, so it requiring regular maintenance to keep clean. The glass was subsequently renovated and protected onsite with ClearShield to keep the glass looking like new.

**Project Name:** Hitaveita Suðurnesja Geothermal Power Plant

**Location:** Reykjanes, Iceland

**Year:** 1994

**Application Type:** Factory



Despite frequent cleaning and the use of harsh chemicals, the building's glass would quickly become dirty again due to the extreme silica-rich environment. When the time came to replace the old, ordinary glass, some 1,000m<sup>2</sup> of new ClearShield glass was installed in 1994.

Ten years had passed and only minimal silica build-up was present on the glass surface, meaning the glass did not require replacement and saving substantial costs compared to the past regime.

**Project Name:** Vivaldi Building  
**Location:** Amsterdam, The Netherlands  
**Year:** 2006  
**Application Type:** Factory



This state-of-the-art building utilises a series of environmentally progressive measures and is 10% more energy efficient than current Dutch requirements.

The ClearShield-protected glass will ensure that all glazing retains its high photometric properties by remaining resistant to staining and weathering, despite the building's busy urban location.

**Project Name:** Edinburgh Airport Control Tower

**Location:** Edinburgh, UK

**Year:** 2005

**Application Type:** Onsite



Edinburgh Airport is the eighth largest airport in the UK and a new control tower was completed in 2005. The lead contractor was recommended by a control tower design and build specialist to specify ClearShield to improve visibility for air traffic controllers as well as reduce maintenance needs.

Ritec UK's Onsite Team subsequently carried out the application of ClearShield on the 57m-high tower.

**Project Name:** Luton Parkway Railway Station

**Location:** Luton, UK

**Year:** 2004

**Application Type:** Onsite



The exterior glass had not been cleaned since the station opened in 1999 so there was a significant amount of dirt build-up. Thameslink Rail, the company that runs the station, had to find a long-lasting solution.

Ritec's onsite team subsequently treated most of the glass at the station, including the entrance façade and platform shelters. This provided a cleaner and more comfortable environment for passengers and staff alike.



**Project Name:** Jury's Inn Hotel Heathrow  
**Location:** London, UK  
**Year:** 2004  
**Application Type:** Onsite



When there was a problem with some contaminated glass during the hotel's construction, the main contractor sought the help of specialist window cleaners to clean the glass. However, after this was unsuccessful and with time running out, Ritec was invited to demonstrate the ClearShield System. With successful results, Ritec renovated and protected most of the hotel's glass, not just those stained during construction.

In the end, almost 400 windows covering seven storeys and an additional 200m<sup>2</sup> of curtain walling were treated in total.

**Project Name:** National Museum of Photography, Film and Television  
**Location:** Bradford, UK  
**Year:** 2004  
**Application Type:** Onsite



Daedalian Glass is a well-established decorative glass company and were commissioned by the Museum to create a screen for the coffee shop, with all work to be completed onsite.

The perceived problem for staff was sticky fingers from users of the coffee shop would make the new sandblasted glass screen look dirty. However, this was not a problem for Daedalian as all glass supplied has ClearShield applied as standard to protect from fingermarking and dirt.

**Project Name:** The Sanderson Hotel

**Location:** London, UK

**Year:** 2002

**Application Type:** Onsite



The Sanderson clearly seeks high standards, with the best service and surroundings for its customers, so the use of ClearShield to re-invigorate the bathrooms was a natural choice.

Ritec UK was called to renovate and protect sandblasted glass shower cubicles in 150 rooms. As a result, they were easier to clean and created a greater hygienic environment as ClearShield impeded adherence of bacteria.

**Project Name:** Lloyd's of London

**Location:** London, UK

**Year:** 1991

**Application Type:** Onsite



The owners of the Lloyd's Building found that paint on the frame around the atrium was shedding and plating onto the glass and adhering to the surface, making cleaning extremely difficult. The glass was successfully converted to Low-M® Glass.

Today, the paint still flakes, but thanks to ClearShield is easily wiped off and conventional cleaning methods are still sufficient to maintain the pristine condition of the glass.

**Project Name:** London Heathrow Airport  
**Location:** London, UK  
**Year:** 1987  
**Application Type:** Onsite



London Heathrow is the world's busiest airport, the hub of the aviation world.

The glass of the VCR (Visual Control Room) was cleaned daily to remove the dirt in an attempt to maintain good visibility for air traffic controllers. This was still deemed as high-maintenance and a better solution was sought. Ritec was called in to renovate and protect the glass. The windows need only be cleaned once a week instead of daily, so it reduced maintenance by 85% plus clarity was improved for workers.

**Project Name:** Toaster Building  
**Location:** Sydney, Australia  
**Year:** 2000  
**Application Type:** Factory



The Toaster Building was part of a new development that was completed in time for the 2000 Sydney Olympics.

With a prime location on the waterfront, ClearShield was applied to protect the glass against atmospheric and marine contamination.

**Project Name:** Shanghai World Finance Center

**Location:** Shanghai, China

**Year:** 2006

**Application Type:** Factory



With a height of 492 metres, this building will be the tallest in the world upon completion in 2008.

Approximately 100,000m<sup>2</sup> of glass was treated with ClearShield in the factory prior to installation. This meant any harsh inorganic contaminants on the glass, such as concrete splatter and cement dust, will be easier to remove during construction. Therefore ClearShield will reduce potential costly delays during construction and provided a significantly lower-cost alternative to replacing the glass due to any surface damage.

**Project Name:** Integer Building  
**Location:** Admiralty, Hong Kong  
**Year:** 2001  
**Application Type:** Onsite



Integer is a new concept in living design using environmentally-friendly products and systems. All the products used in the building can be recycled and is an energy efficient building. Approximately 250m<sup>2</sup> of glass was treated.

ClearShield is considered to be environmentally friendly as it has been proven to reduce the need for frequent cleaning with harsh chemicals. ClearShield itself is non-toxic.



**Project Name:** New Glass House, Tsuyama Green Hills

**Location:** Okayama, Japan

**Year:** 1998

**Application Type:** Factory



ClearShield was specified for all the external glass, totalling 5000m<sup>2</sup> of barrel vault roofs and exterior walls.

Most are FL 5mm + 5mm laminated glass which had been factory-treated with ClearShield by Nakajima Glass Industries.

**Project Name:** Suvarnabhumi New Bangkok International Airport  
**Location:** Bangkok, Thailand  
**Year:** 2005  
**Application Type:** Factory



ClearShield helped to reduce costs and delays on the construction site of this new major airport by protecting the glass from cement, concrete and construction dust. Some 100,000m<sup>2</sup> of glass was treated.

The airport was fully open in 2006, and in the future, the glass will still resist staining from jet exhaust fumes and other contaminants as well as remaining easier to clean.

**Project Name:** Lev Ha'ir Quarter

**Location:** Tel Aviv, Israel

**Year:** 2001

**Application Type:** Factory



This is a prestigious apartment block located in the heart of Tel Aviv's business and entertainment centre.

The architects and developers specified the ClearShield protection to 7,000m<sup>2</sup> of glass which was applied in the factory prior to installation.

**Project Name:** Voile D'or Hotel  
**Location:** Bel Ombre, Mauritius  
**Year:** 2005  
**Application Type:** Onsite



This luxury four-star hotel is located in the South West Coast in the beautiful Mauritian countryside.

Glass shower doors in all of the hotel's 180 rooms were treated with ClearShield for easier-to-clean, pristine-looking glass as well as improved hygiene. Many other hotels in the region have also had the benefits of ClearShield treatment on their glass shower enclosures.

**Project Name:** Johannesburg International Airport  
**Location:** Johannesburg, South Africa  
**Year:** 2004  
**Application Type:** Onsite



Johannesburg International Airport serves as the primary airport for domestic and international travel to/from South Africa and is Africa's busiest airport, handling over 16 million passengers.

Both clear and sandblasted glass surfaces were renovated and protected in and around the airport, including glass balustrade panels, airline offices, viewing deck, security doors and escalator areas.

**Project Name:** Santander Serfin Offices  
**Locations:** Santa Fe and Queretaro, Mexico  
**Years:** 2002 and 2005  
**Application Type:** Onsite



Transparencia en Servicios is Ritec International's Marketing Partner in Mexico. One of the company's most prestigious contracts is the renovation, protection and maintenance of glass at two Banco Santander Serfin office buildings in Santa Fe and Queretaro.

Both interior and exterior glass had the benefit of the ClearShield System at both locations, with almost 40,000m<sup>2</sup> treated onsite in total.

**Project Name:** Rockefeller Center

**Location:** New York, USA

**Year:** 2006

**Application Type:** Onsite



The building is owned and managed by Tishman Speyer, a very large and well-known real estate investment company.

ClearShield treatment was carried out by SurfaceCare, a ClearShield Applicator based in New York. Prior to treatment, Tishman Speyer was constantly frustrated with cleaning the acid-etched glass elevator doors and considered replacing them at great expense, even though the glass was relatively new. The ClearShield System helped save money and gave them a long-term solution to keep the glass doors looking like new.

**Project Name:** Los Angeles International Airport

**Location:** Los Angeles, USA

**Year:** 1995

**Application Type:** Onsite



This airport is one of the busiest in the world, handling some 60 million passengers annually.

External glass was renovated and treated with ClearShield to provide better visibility and reduce maintenance requirements.