

## About Us

You might have heard of us, but most likely our name is new to you. We established a direct presence in North America in 2010, but have been known for innovation in the glass industry in Europe since 1959.

We enjoy taking a fresh look at things and see opportunity in every challenge. We invest where others wait. Our bird protection glass ORNILUX is what brought us to North America, and is only one of the examples of our commitment to solving problems through innovation.

Whether you are looking for saving energy, creating energy, reducing noise, protecting from fire or burglary, or saving lives of birds, you can count on us to provide a creative and high-quality solution.

Headquartered in Remshalden, Arnold Glas is one of Germany's largest and most innovative glass producers. With our 11 production locations, own coating facilities and float works, we are a full-line supplier for architectural and decorative glass.



Arnold Glas Executive Board  
Günther Arnold, Hans-Joachim Arnold, Josef Ilg

## A Sample of Our Product Line

### Architectural Applications

- ▲ Light deflecting & diffusing (VISOREX)
- ▲ Electro-chromic solar control (VARIOSOLAR)
- ▲ Sound insulating (AKUSTEX)
- ▲ Burglary protection (MULTIPACT)
- ▲ Fire resistance (ARNOLD FIRE)
- ▲ Anti-reflective (AMIREX)
- ▲ Structural glazing
- ▲ Point-supported & cable back-tensioned facades

### Decorative Applications (DEKOREX)

- ▲ Dichroic glass
- ▲ Multi-functional media display glass
- ▲ Laminated glass with fabric, granite & wire mesh
- ▲ Silkscreen & digital print glass

## By The Numbers

- ▲ Over 1,000 employees
- ▲ 11 production facilities in Germany & Austria
- ▲ Over 40 patents since 1959
- ▲ 140 M Euro in Revenue (2010)



Technical University, Dresden, Germany



Opera House, Copenhagen, Denmark

# Doing Things Differently...



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# Innovation In Glass

## Save Energy...

Whether you want to keep your energy in, or keep the sun's energy out, our glass products can create optimum solutions.

### Leaving the Cold Outside

#### Heat Insulation NEUTRALUX



Ski Chalet, Zugspitze, Germany

In vision glass areas where optimum heat insulation and high light permeability is needed NEUTRALUX low-E glass can be configured as a double or triple pane unit.

### Keeping Rooms Cool

#### Solar Control SOLARLUX

Available in a wide range of colors, our solar control glass, SOLARLUX provides optimum sun protection with maximum light permeability, while minimizing overall heat dissipation.



Building Society, Hamburg, Germany

### Insulating Buildings

#### Vacuum Heat Insulation VACUREX

VACUREX is the new facade temperature regulation concept for modern glass-based architecture. The heat conductivity of this new vacuum insulation panel is eight times higher than mineral wool. Its minimum-profile and attractive range of colors open up a whole new range of architectural design possibilities.



Science Park, Saarbruecken, Germany

## Make Energy...

### Harness the Sun's Energy

#### Photovoltaic Glass VOLTARLUX

Combining our expertise in lamination and the latest solar module technology, VOLTARLUX combines transparency, shading and energy generation in one product. Generate energy in vertical and horizontal installations, including facades, even on overcast days. VOLTARLUX can be incorporated into all normal windows in the same manner as conventional insulating glass or glass panel units.

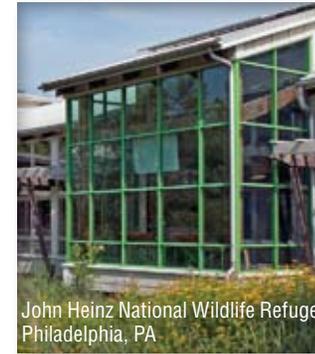


Bank Academy, Montabaur, Germany

The solar power unit delivers up to 5.58 kWh/sq. ft. per year and is available in monolithic or insulated configurations, and in semi-transparent to opaque designs. The latest VOLTARLUX innovation is a fully transparent module.

## Protect The Environment...

In North America up to one billion birds are killed each year due to collisions with glass on human-built structures, making bird window strikes the second greatest cause of bird mortality next to habitat destruction.



John Heinz National Wildlife Refuge, Philadelphia, PA

With the understanding that birds see UV light, Arnold Glas has developed ORNILUX Bird Protection Glass. ORNILUX has a patterned UV reflective coating making the glass visible to birds while remaining virtually transparent to us.

ORNILUX is supplied as double-glazed insulated units with a low-E or solar control coating, or as a triple laminated glass for outdoor guardrails or walls. Tested by the Max Planck Institute for Ornithology in Germany, ORNILUX is proven effective for bird strike protection compared to standard glazing.



Stillwell Station, New York, NY



Hellabrunn Zoo, Munich, Germany

[www.ornilux.com](http://www.ornilux.com)