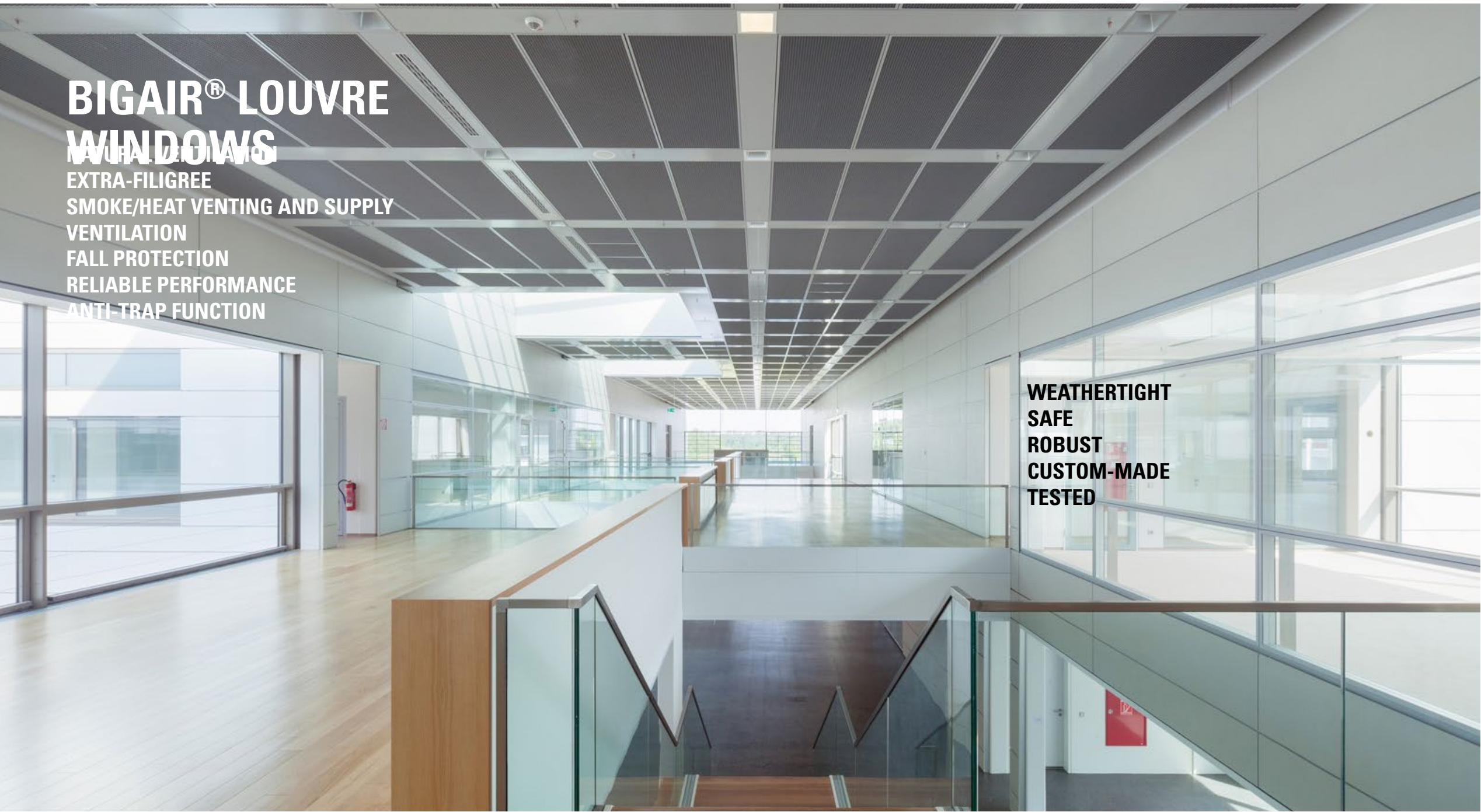


WINDOW SYSTEMS

**LIGHT- AND
AIR-FLOODED**



BIGAIR® LOUVRE
WINDOWS
EXTRA-FILIGREE
SMOKE/HEAT VENTING AND SUPPLY
VENTILATION
FALL PROTECTION
RELIABLE PERFORMANCE
ANTI-TRAP FUNCTION

WEATHERTIGHT
SAFE
ROBUST
CUSTOM-MADE
TESTED

MADE FROM GLASS AND MET-

Glass and metal add a fascinating transparency to all types of buildings and structures. Drawing on its expertise in the field of fenestration, LACKER delivers top-class window solutions for architects, designers and clients. Indeed, no challenge is too great for our engineers and technicians.

Our know-how is particularly in demand whenever the design brief calls for sophisticated glass and metal window products. These may be used to build unconventional facades, glass roofs or special assemblies. From the first sketch to in-house fabrication, 100% made in Germany is guaranteed.

LACKER GmbH

For nearly three decades now, we have been manufacturing custom window solutions in the Black Forest town of Waldachtal for worldwide delivery. Our entire workforce realizes the importance of catering for the discriminating wishes of our customers with the necessary passion for perfection. Down to the very last detail! Ongoing training and continuing professional development guarantee our company's consistently high quality standards.

If you are looking for a reliable fenestration partner capable of crafting exceptional glass and metal solutions, then why not learn more about us?

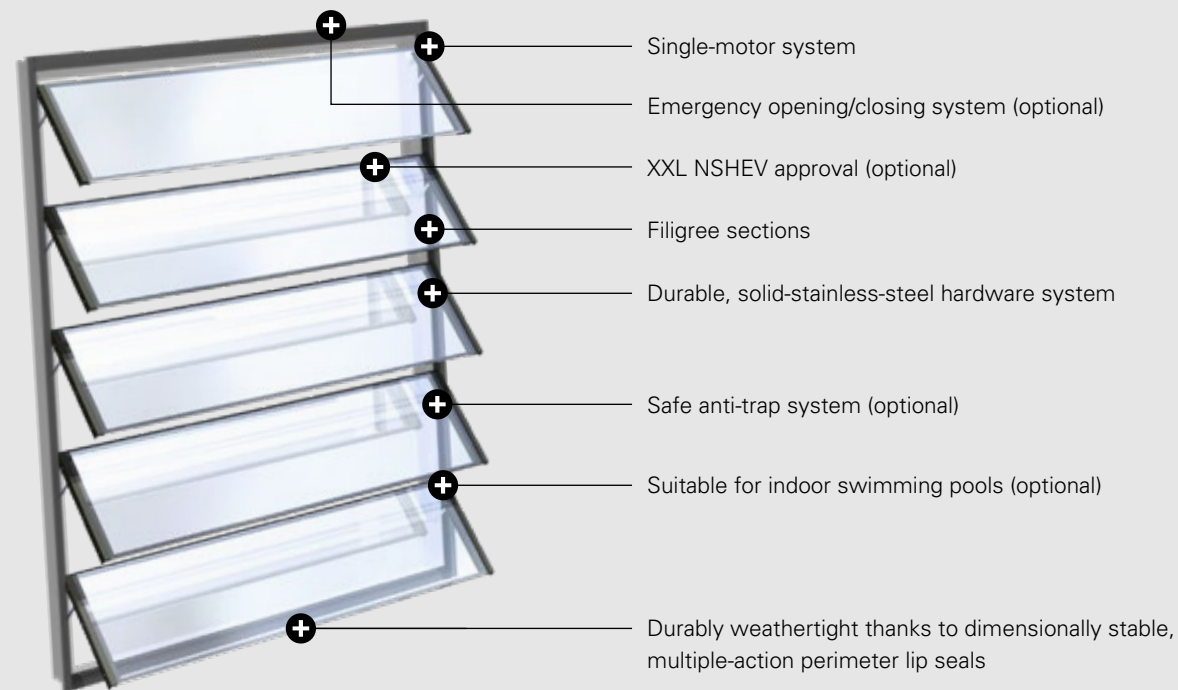


bigAir® Facade

Facade louvre windows

bigAir® louvre windows are system-independent. They can be installed in any stick-system assembly or timberwork structure. They are ideal for ventilating halls or other spaces and for use as large-area NSHEV (natural smoke and heat exhaust ventilators).

- Lacker's all-glass blades are always outward-tilting
- Maximum blade flatness
- Extra-filigree sections and weatherstripping
- Bottom edge as glass step
- Tight closing action through self-locking spindle mechanism and stainless-steel lever



STUTTGART

VECTOR INFORMATIK GMBH GLASS BRIDGE

ALL-GLASS EFFECT – CONTINUOUS EXTERNAL GLASS SCREEN



bigAir® Facade

Germany

Architect

SCHMELZLE+PARTNER MBB
ARCHITEKTEN BDA | D-72280 Hallwangen

Description

- Bridge construction with louvre windows
- 440 mm tall glass blades
- Solar-control double glazing
- Anti-trap function
- Partly fitted with incremental encoder





DUBLIN

GOETHE-INSTITUTE DUB-

BORDERLESS PRINTING – ENAMELLED

bigAir® Facade

Ireland

Architect

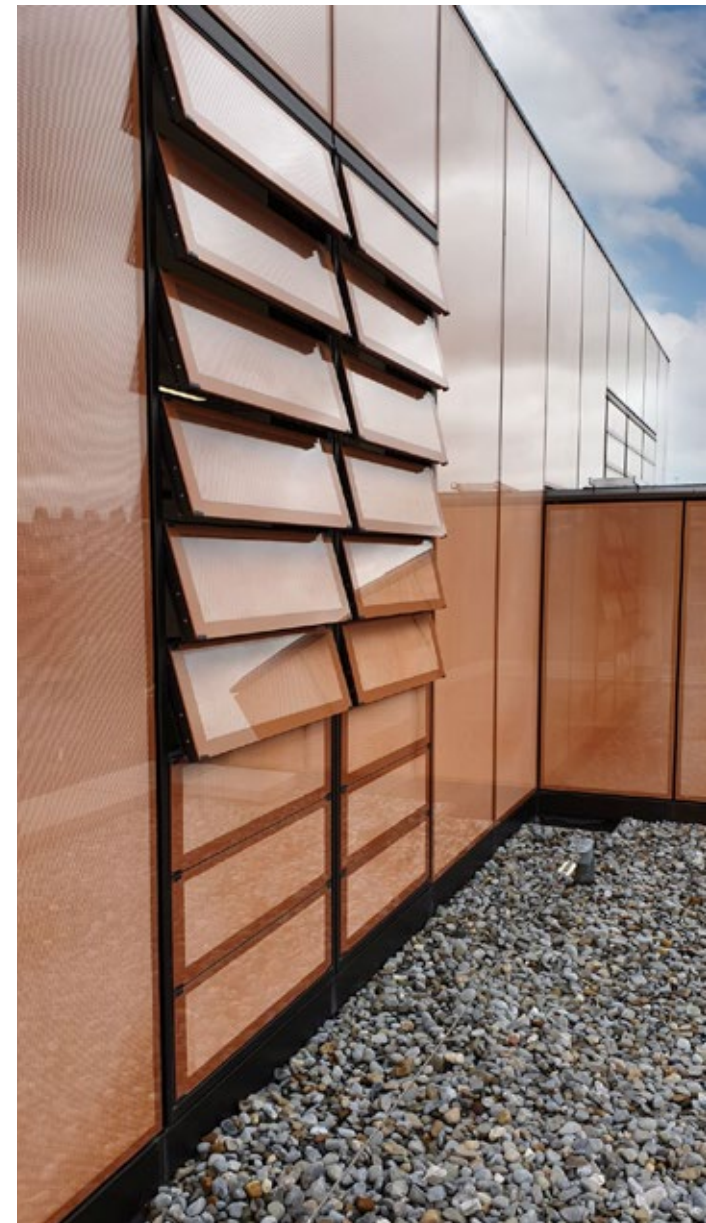
Henchion + Reuter Architects
Dublin

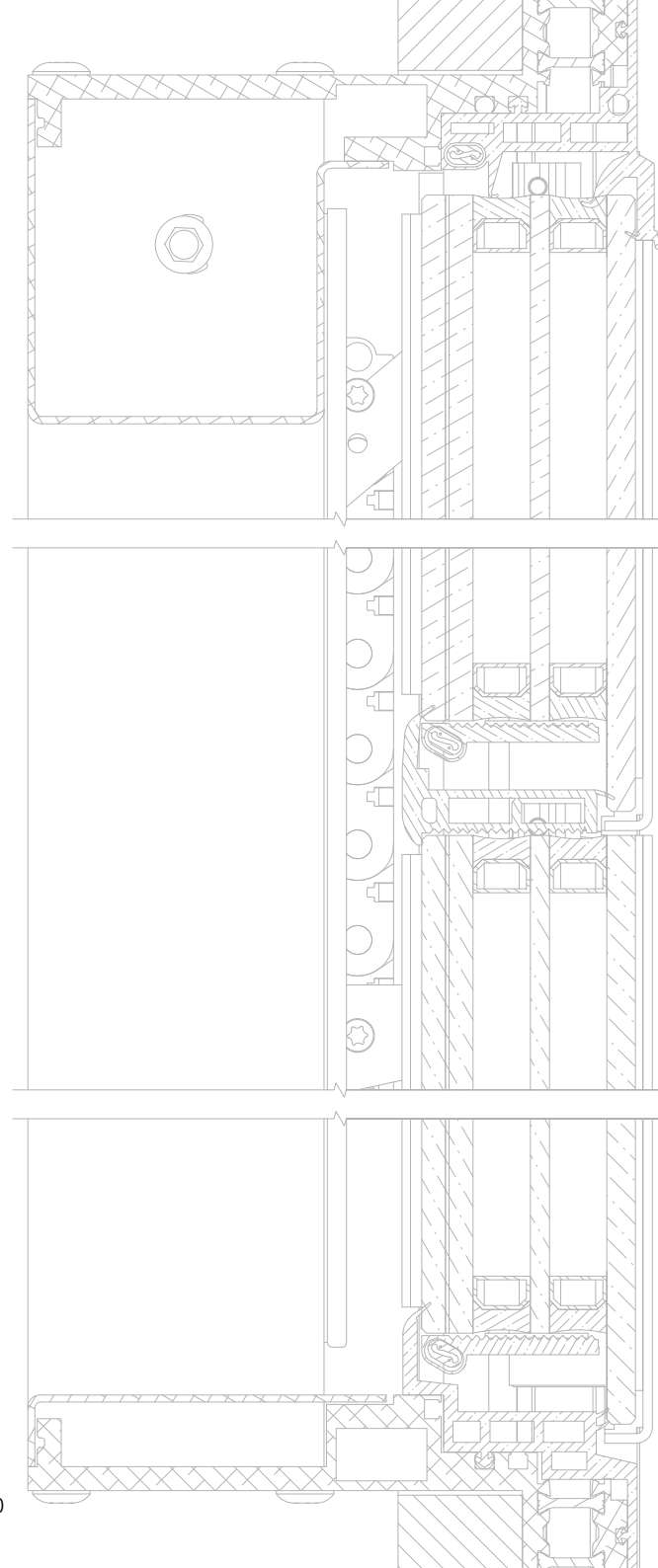
Project team

Duggan Systems Limited, Architec-
tural Aluminium P.V.C. Contractors,
Lurriga, Patrickswell, Co. Limerick
V94 X8N7 | Ireland

Description

- Partly triple glazing with copper-mesh interlayer
- Copper-colour screen print at step
- Special frame widening for structural glazing applications
- Toggle clips used to fix windows in structural glazing joints
- Glass blades secured only by small glass supports
- Fall protection by horizontal stainless-steel guard rails (also offering protection when blades are open)
- Partly with anti-trap protection to VFF Safety Class 4 using contact strips
- Special "Analok 547" colour for internal frames
- Partly designed as NSHEV (natural smoke and heat exhaust ventilators) to DIN EN 12101-2





STRAUBING

TEACHING AND RESEARCH BUILDING FOR SUSTAINABLE CHEMISTRY

ALL-GLASS EFFECT IN TIMBER FACADES

 **bigAir® Facade**

Germany

Architect

Schuster Pechtold Schmidt
Architekten GmbH | D-80805 Munich

Project team

Hans-Jürgen Heigl | Holztechnik Heigl
D-93468 Miltach

Description

- Designed as NSHEV (natural smoke and heat exhaust ventilators) to DIN EN 12101-2
- Highly transparent, high glazing ratio
- Maximum anti-trap protection (VFF Safety Class 4) using contact strips
- Solar-control triple glazing with low U_g value ($U_g=0.5 \text{ W/m}^2\text{K}$)
- DGNB (German Sustainable Building Council) conformity as required



SULZ

EDELSTAHLSERVICE SULZ GMBH NEW ADMIN BUILDING

FLUSH INSTALLATION – FULLY OUTWARD-OPENING WITH NO



bigAir® Facade

Germany

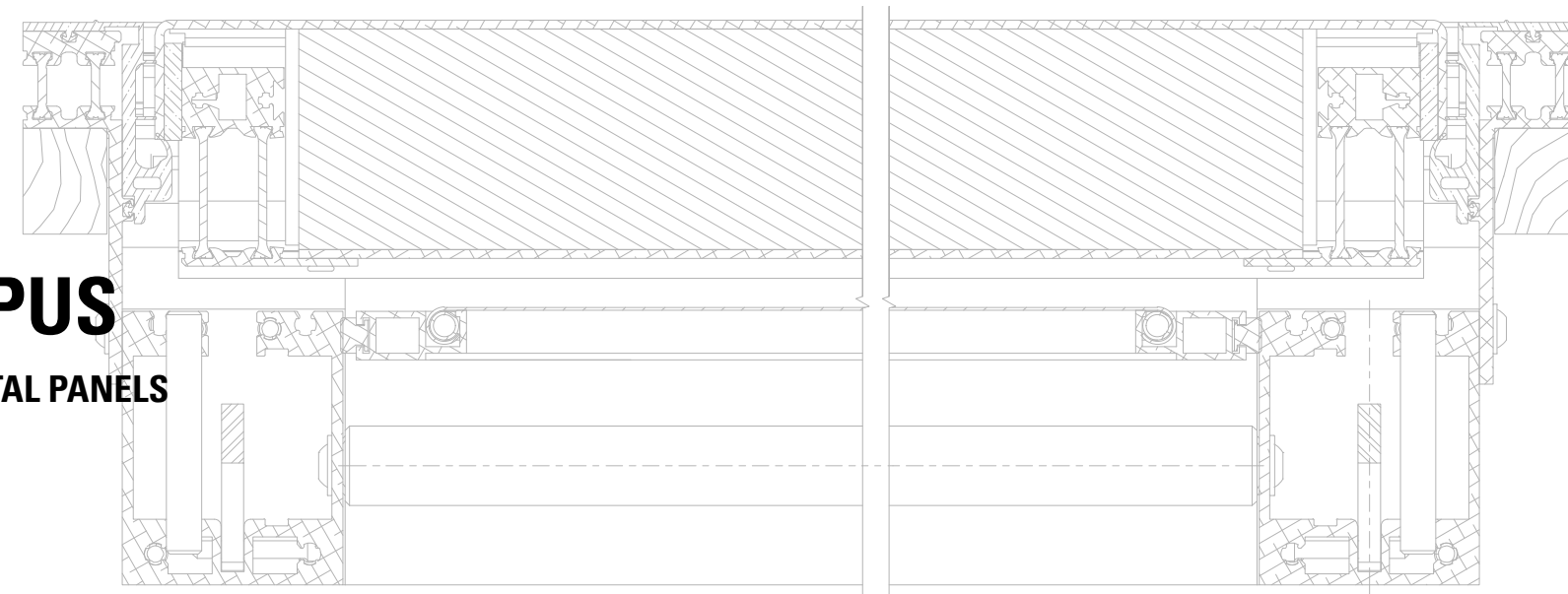
Architect
SCHMELZLE+PARTNER MBB
ARCHITEKTEN BDA
D-72280 Hallwangen

Description
Louvre windows with solar-/
thermal-control glazing

RADEVORMWALD

GIRA CAMPUS

INSULATED SHEET-METAL PANELS
CUSTOM FINISH
SMOKE EXTRACT
INSECT SCREEN



bigAir® Facade

Germany

Architect
sauerbruch hutton, gesellschaft von architekten mbh D-10557 Berlin

Description

- Window size approx. 1,045 x 4,220 mm (wxh)
- Flat aluminium-panel louvres for elegantly flush installation in stick-system curtain wall
- As NSHEV (natural smoke and heat exhaust ventilator) to DIN EN 12101-2
- Fully outward-opening blades
- External aluminium sheet of panels without visible edging strips
- Also usable for night cooling



AUGSBURG

VINCENTINUM HEALTHCARE CENTRE

FLUSH – DESIGNER PRINT – TRANSPARENT OPENING



bigAir® Facade

Germany

Project team

Roschmann Konstruktionen aus Stahl
und Glas GmbH | D-86368 Gersthofen

Description

- Louvre windows with screen/laser print
- Designed as vents with anti-trap function using PrimeTec sensors

ESSEN

RATHAUS GALERIE ESSEN SHOPPING

SINGLE-GLAZED WITH LSG – A WORLD OF GLASS!



bigAir® Facade

Germany

Project team

Roschmann Konstruktionen aus Stahl
und Glas GmbH | D-86368 Gersthofen

Description

- Single-glazed louvre windows incorporating LSG (laminated safety glass) with all-glass effect

DRESDEN

BSZ DRESDEN
VOCATIONAL COLLEGE
IDENTICAL FIXED AND LOUVRE GLAZING

 bigAir® Facade

Germany

Project team
Bellmann GmbH
Alusysteme-Metallbau
D-09618 Brand-Erbisdorf

- Description**
- Louvre windows with solar-control double glazing
 - Anti-trap function
 - NCS frame colour



COVENTRY

UNIVERSITY OF WARWICK
XXL WINDOW HEIGHTS – MAXIMUM PROTECTION THANKS TO
ANTI-TRAP SAFETY CLASS 4

 bigAir® Facade

England

Architect
MCW architects | The Oast House
Malting Lane | Cambridge CB3 9HF

Project team
Bowmer + Kirkland Limited | High Edge Court
| Church Street | Heage | Belper
Derbyshire DE56 2BW | England

- Description**
- Louvre windows up to approx. 3,800 mm tall
 - Louvre windows with solar-control double glazing and louvre windows with aluminium panels
 - Partly designed for fall protection
 - Maximum anti-trap protection (VFF Safety Class 4) using contact strips
 - With bird screens





FREUDENSTADT

WALDFABRIK

SMALL WINDOWS – MAXIMUM VENTILATION

 **bigAir® Facade**

Germany

Description

Insulating-glass louvre windows in
"tree house"





FREUDENSTADT

VOLKSBANK FREUDENSTADT

PHOTOVOLTAICS ALSO IN GLASS BLADES

 **bigAir® Facade**

Germany

Architect

Jarcke Architekten
D-72250 Freudenstadt

Description

Glass blades fitted with photovoltaic



DRESDEN

VITZTHUM GRAMMAR SCHOOL

PERFECT REFLECTION – MAXIMUM PRECISION

 **bigAir® Facade**

Germany

Project team

Metallbau Möller GmbH & Co. KG
D-99087 Erfurt

Description

- 3,436 mm tall louvre windows
- 9 all-glass blades
- Thermal-control double glazing
- Ball impact resistance
- Filigree 40 mm mullions



BASEL | PRATTELN

AQUABASILEA

LOUVRE WINDOWS WITH IP67 RATING FOR INDOOR BATHS



bigAir® Facade

Switzerland

Project team

RUCH Griesemer AG | Bahnhofplatz 3
CH-6460 Altdorf

Description

Louvre windows in swimming baths with
IP67-rated watertight drives and solar-control
glazing

SCHRAMBERG

MAGNET FACTORY

MAGNETIC CONTACT – POSITION FEEDBACK – VENTILATION – SMOKE EXTRACT



bigAir® Facade

Germany

Architect

Stollbert Architekten GbR
D-78713 Schramberg

Project team

Münch Metallbau GmbH
D-78086 Brigachtal-Kirchdorf

Description

Louvre windows with solar-control triple glazing as
NSHEV (natural smoke and heat exhaust ventilators) to
DIN EN 12101-2

SWORDS | DUBLIN

DLR LEXICON

IDENTICAL GLASS TYPE TO FIXED GLAZING

 bigAir® Facade

Ireland

Architect
Louise Cotter, Carr Cotter & Naessens
Architects, 32 South Terrace, Cork,
Ireland

Project team
Gunn Lennon Fabrication Limited

- Description**
- 41 bigAir® Facade louvre windows with all-glass effect
 - Narrow mullions and invisible fixing in SG facade
 - Designed with solar-control double glazing





LACKERFENSTER SIND EINZIGARTIG

FILIGREE – WEATHERTIGHT – SAFE – FLUSH – CUSTOM-MADE

IMAGE CREDITS

Photos: LACKER GmbH

01–37	LACKER GmbH
38–39	Bernhard Strauss
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PUBLISHING DETAILS

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