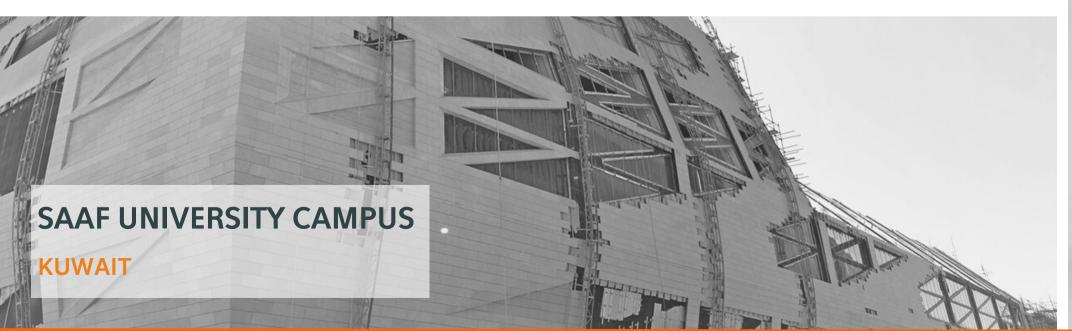


BILDA FIXING SYSTEMS

Complete solution for any rainscreen envelope

Comprehensive System for Building envelope applications Fixing of Ventilated Claddings, Modelling of Façade Features, Thermal Insulation fixing, Photovoltaics and more.





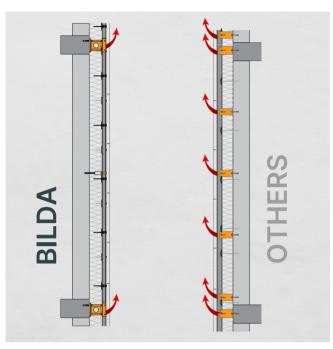




ROTTERDAM

BILDA - Architect friendly envelope building tool











UNLEASH CREATIVITY

DESIGN SUSTAINABLY

SIMPLIFY YOUR TASKS

BOOST YOUR OUTPUT

DEVELOP & INNOVATE

- design with confidence
 one concept for any
 material, any pattern &
 features
- minimize technical restriction
- keep control of your creation
- retain leadership

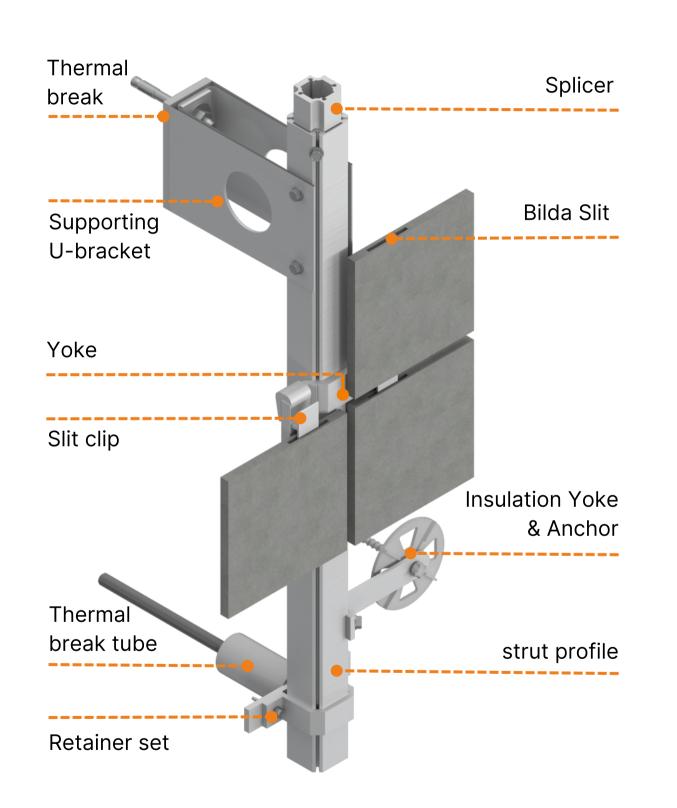
- minimize carbon footprint
- make the best of PV energy
- provide future
 upgradability and
 reusability

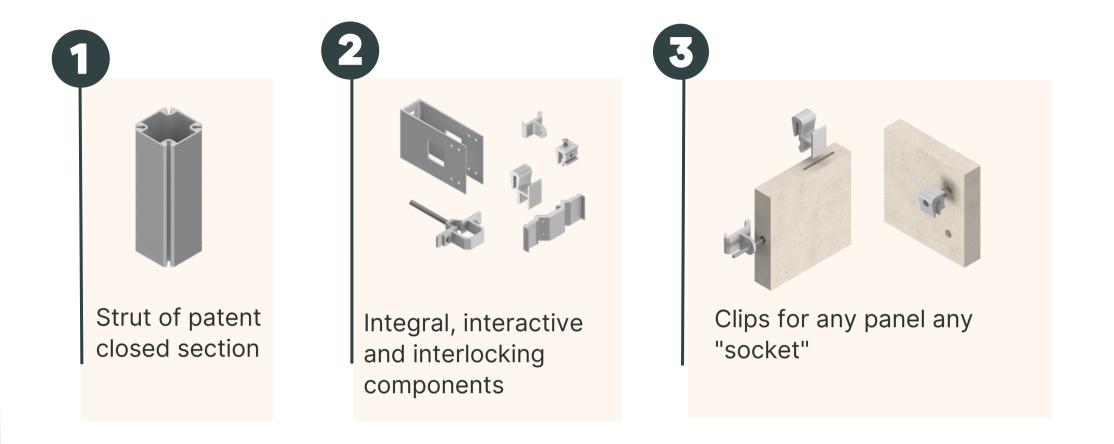
- minimize parties involved
- reduce quantity of coordination
- facilitate consistent design & building process

- learn and explain easily
- systemize design work
- create reliable solutions
- reduce iterations
- enjoy your design

- rely on our envelope
 experience & support
- develop for better & generic solutions
- help us with your comments
- innovate with BILDA team

Three Pillars of BILDA

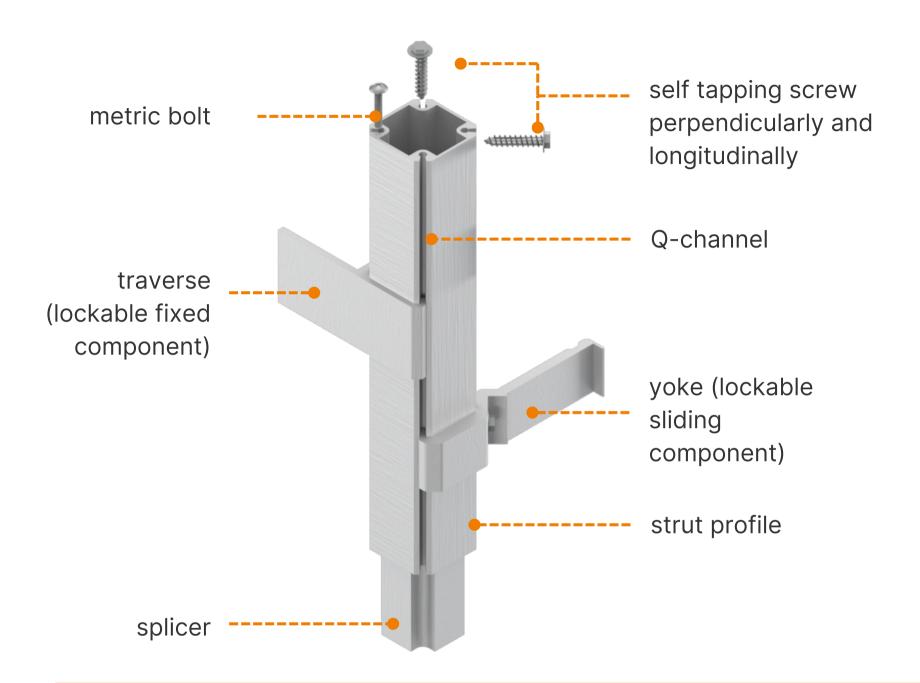




BILDA is a unique Comprehensive System of systems for assembly of sustainable rain-screened envelopes.

1

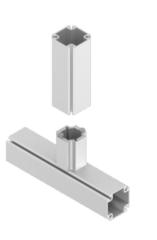
Strut of patent closed section

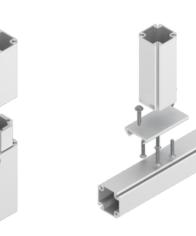


- Composes light and resilient substructure
 fixing grid allows quick locking attachment
 of components with dual penetration sliding and fixed (by screw);
- pre-assembly of frames and units is done
 by means of simple joint component +
 screwing without welding.
- avoids additional form shaping structures

JOINT TYPES

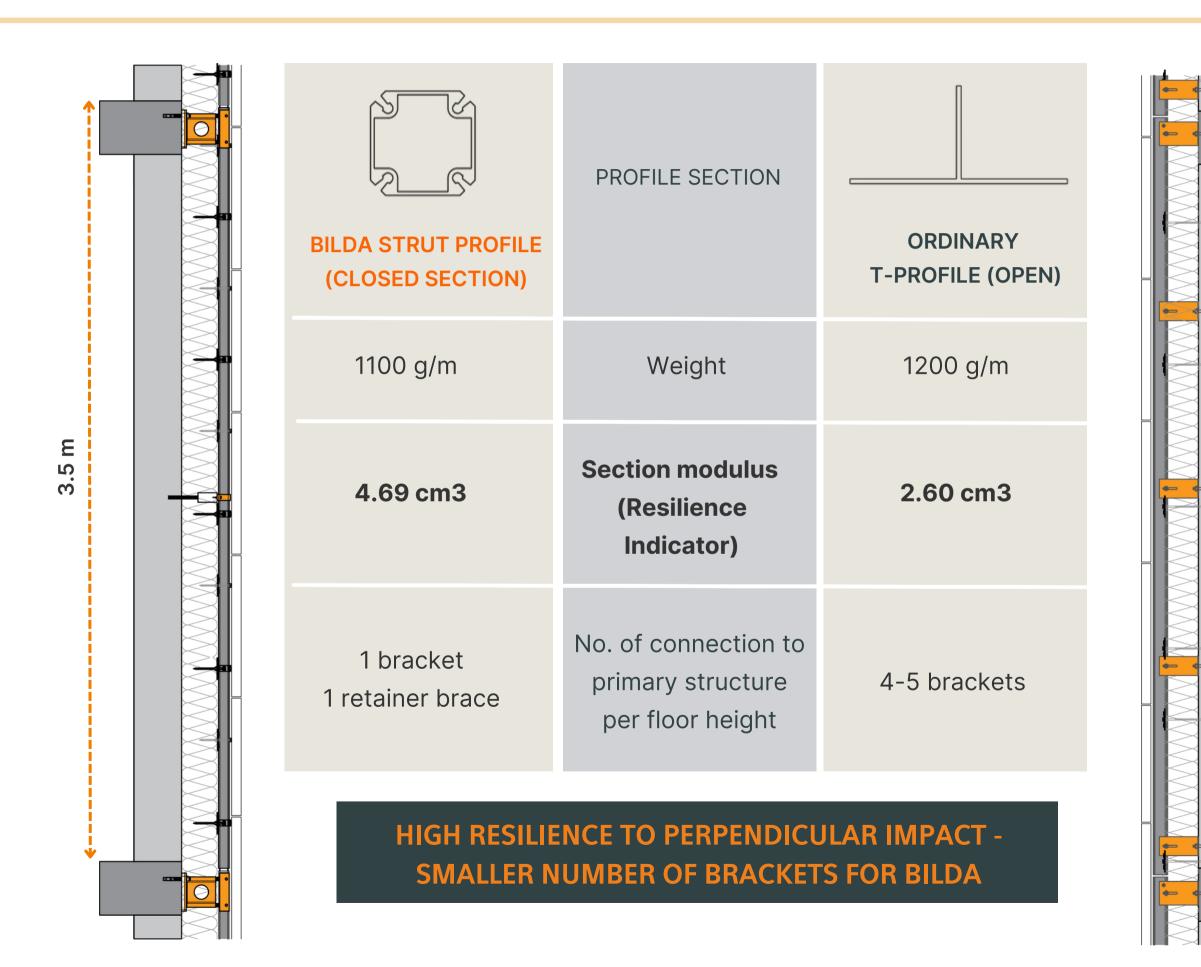








BILDA Comparison with T-Profile - Structural

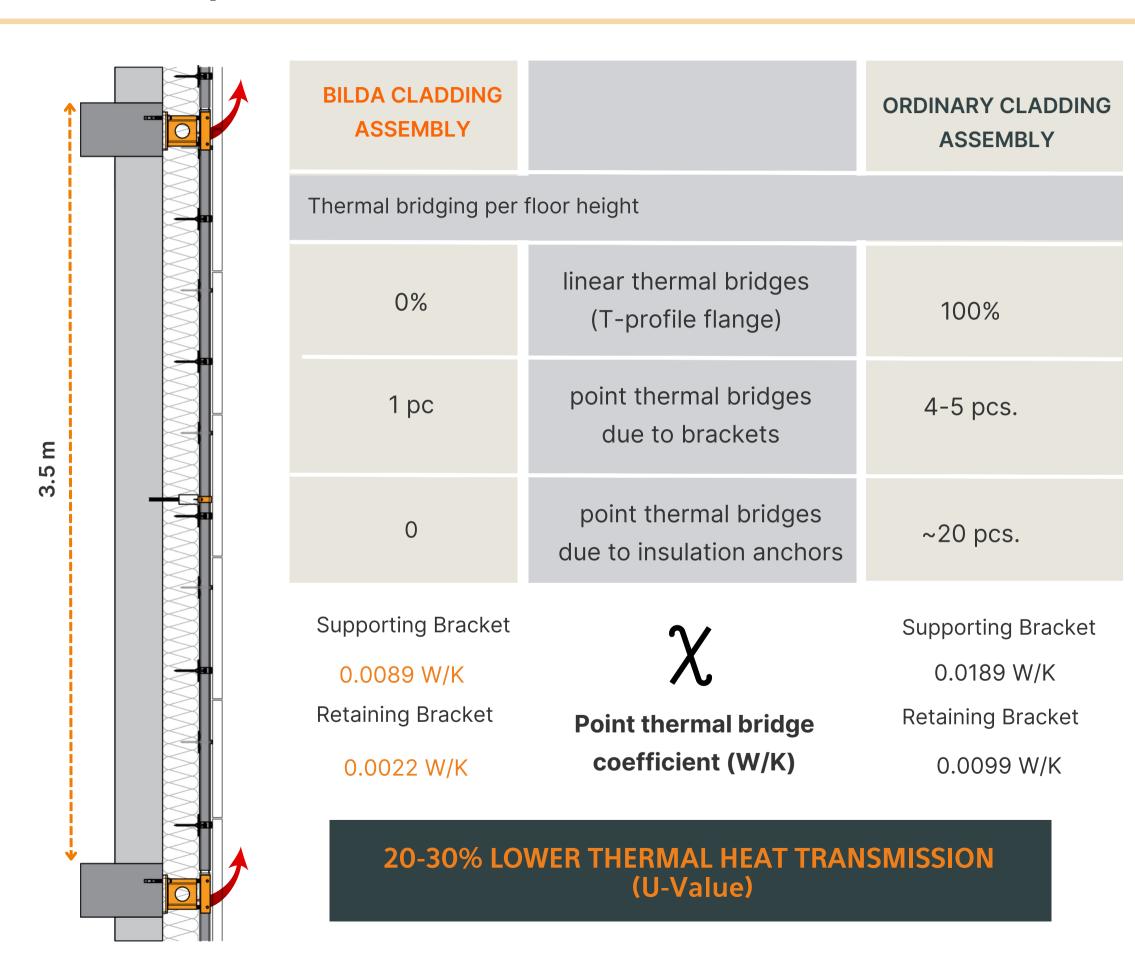


BILDA patent strut profile is lighter with higher resilience:

• creates lighter cladding

- creates lighter cladding assemblies
- saves envelope material
- saves installation and production time

BILDA Comparison with T-Profile - Thermal

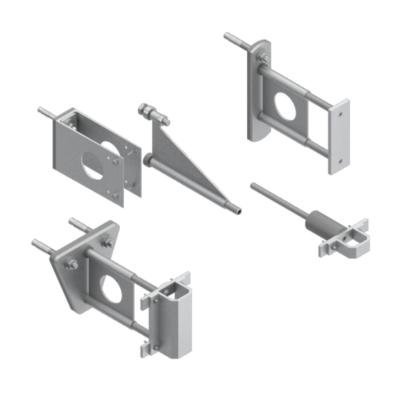


BILDA system enhances thermal and sustainability performance:

- minimizes thermal bridging of cladding envelopes
- achieves continuous insulation (CI) fit

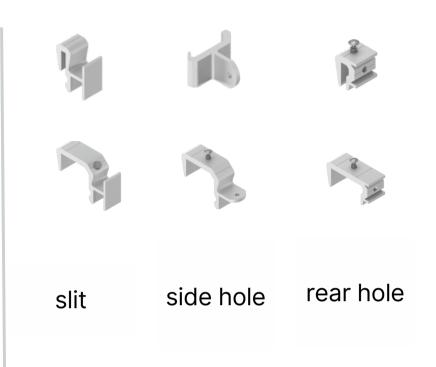


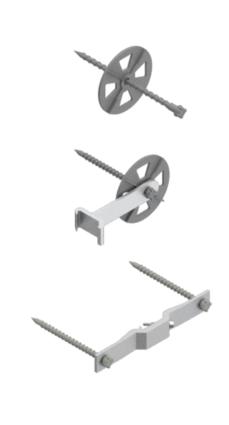
Integral Interlocking Components











WALL BRACKETS

for any substrate, any void, any weight - high thermal performance

STRUT PROFILES

rigid, multifunctional, shape forming and clip attaching

YOKES

quick locking by dual
tongue & screw penetration
(one operation to fix)

CLIPS

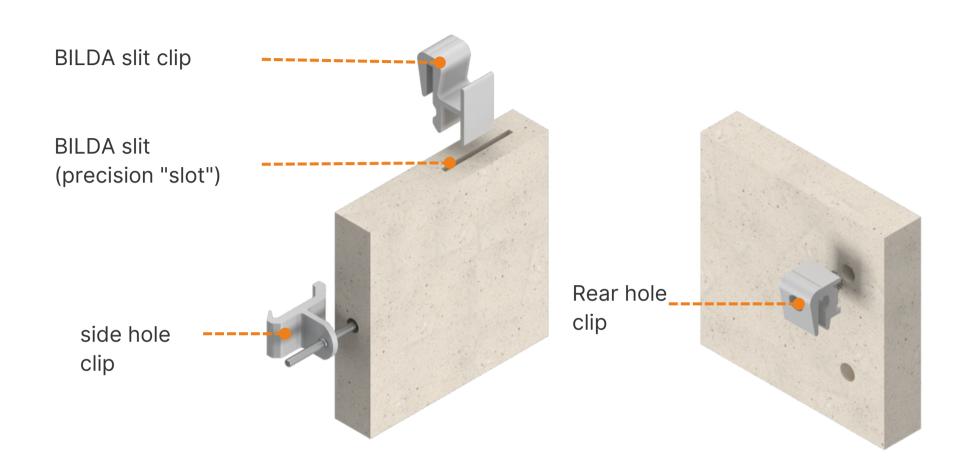
for any panel, and any
fixing method - enhanced
functionality

INSULATION & FIRESTOP FIXERS

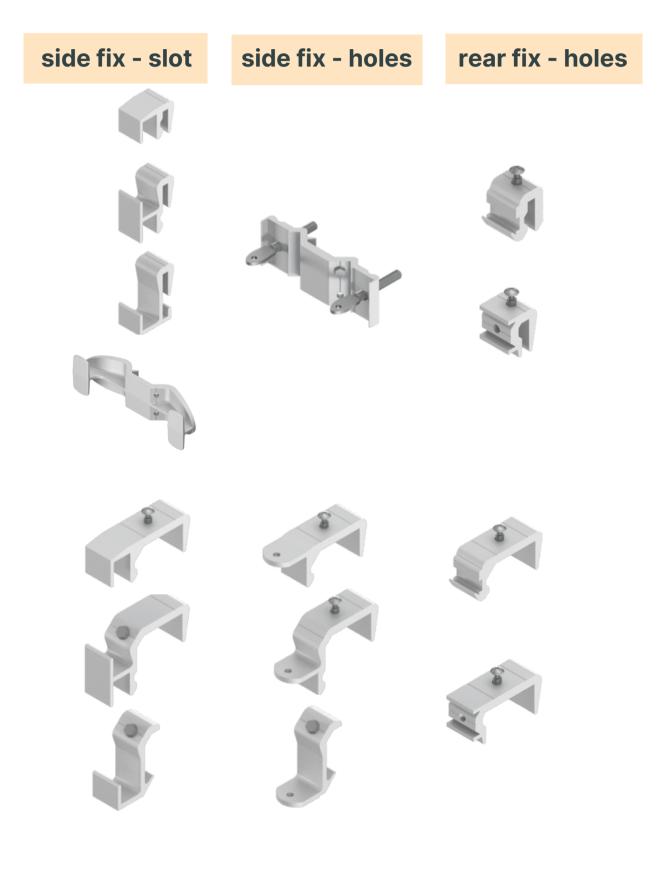
non invasive, reliable good
fit - minimum thermal
bridges for high insulation
performance



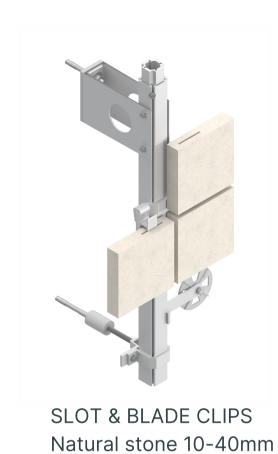
Clips for any panel, any "socket"

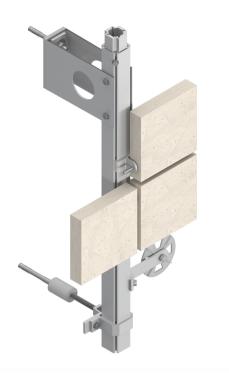


- Variety of clips for all panel fixing methods
 (slit, side and rear hole);
- stationary milling rig, handheld machine, tools
 and instruments for any panel "socket"

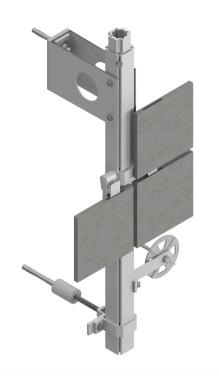


Cladding Assemblies

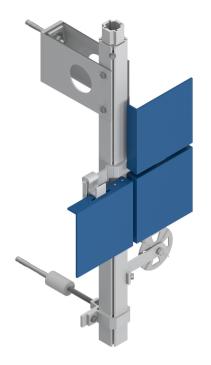




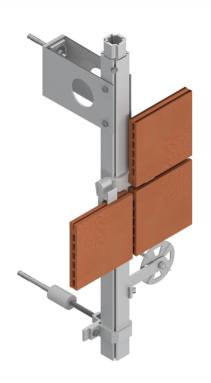
DOWEL & HOLE CLIPS
Natural stone 10-40mm



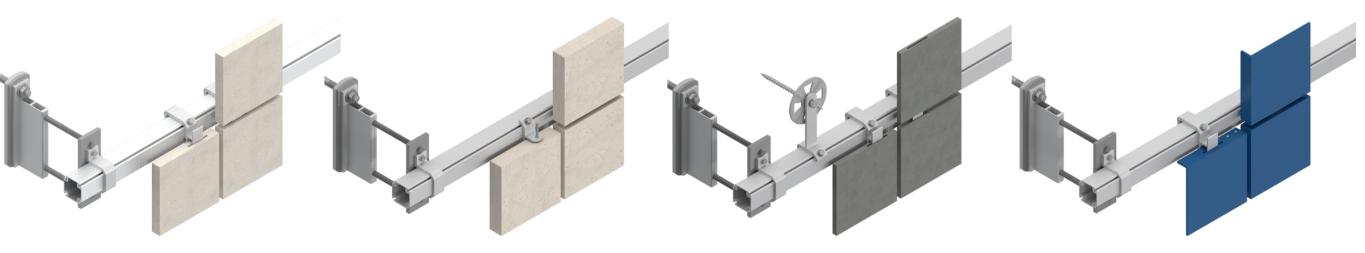
SLOT & BLADE CLIPS Ceramic tiles 8-20mm



SLOT & BLADE CLIPS
Aluminum Composite Panel



SLOT & BLADE CLIPS
Terracotta Panel

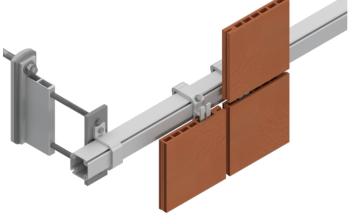


SLOT & BLADE CLIPS
Natural stone 10-40mm

DOWEL & HOLE CLIPS
Natural stone 10-40mm

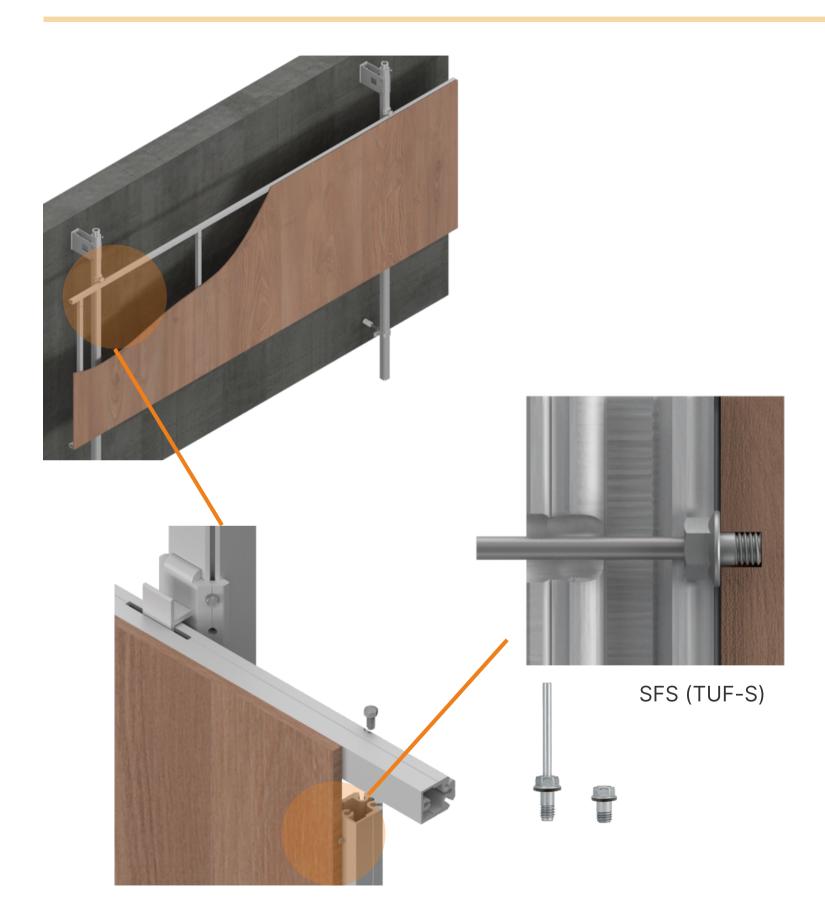
SLOT & BLADE CLIPS
Ceramic tiles 8-20mm

SLOT & BLADE CLIPS
Aluminum Composite Panel



SLOT & BLADE CLIPS
Terracotta Panel

BILDA back frame furring - for thin & large format panels

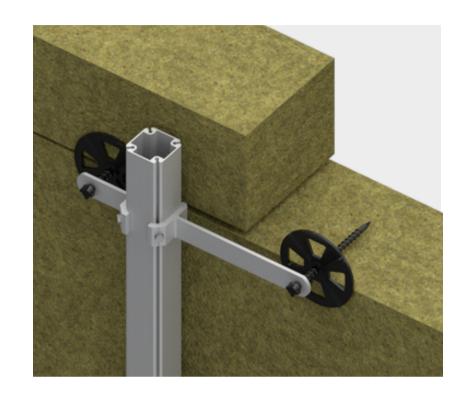


- Allows efficient fixing of large-sized, thin, brittle & non-rigid materials by initially pre-assembled furring frame to form a rigid panel
- Consists of lightweight elements forming frames For panels of thickness - 8mm to 15mm - Max panel dimension
 4100mm X 1854 mm

APPLICATIONS

- Fibrecement (FCP)
- Composite mineral material
- Glass fibre reinforced concrete (GFRC)
- Porcelain Gres
- High Pressure Laminates (HPL)

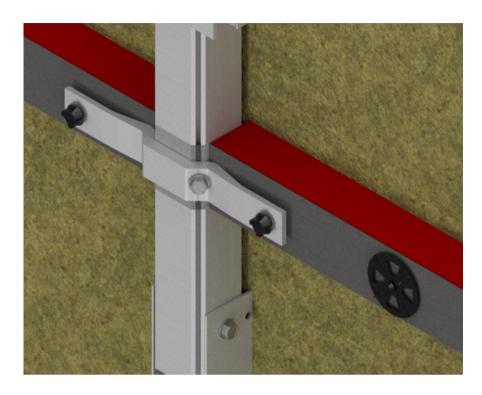
Overall Envelope Fixing, Modelling and Support



INSULATION FIXING SET



FRAMED APPLICATION



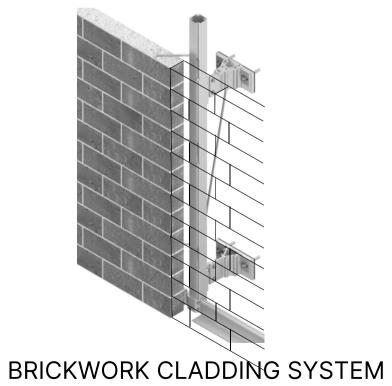
FIRE STOP FIXING SET



NICHED PATTERN FIXING APPLICATION



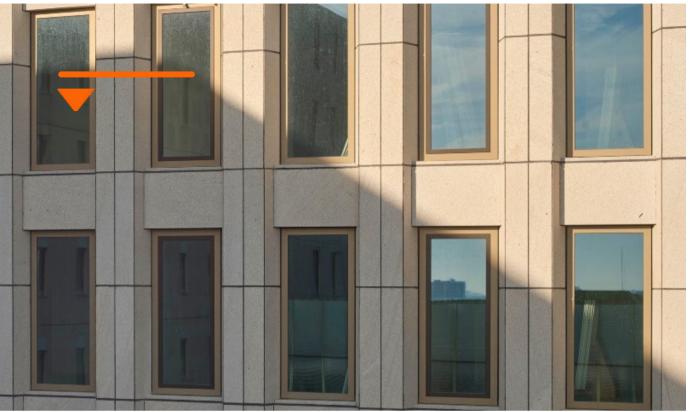
BIPV PANEL FIXING SYSTEM



Case Study - Compatible with any type of construction method

PRECAST SUBSTRATE





BILDA's contribution

- Saved costs up to 20%
- 2x faster installation
- Bespoke fixing solution
- Compatible for prefabrication

PROJECT FACTS

Height: 215 m

Cladding Panel: 40-45 mm thick Granite

Cladding system: BILDA Rainscreen system

- Prefabricated Assembly

Installation Efficiency Rate: C. 248 m² /week

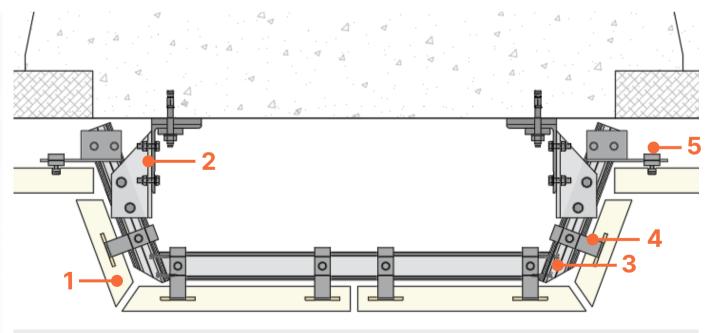
Architect: Dam & Partners

Main contractor: BAM Bouw en Techniek

Prefabricated wall Senta International

producer:

Year of construction: 2021

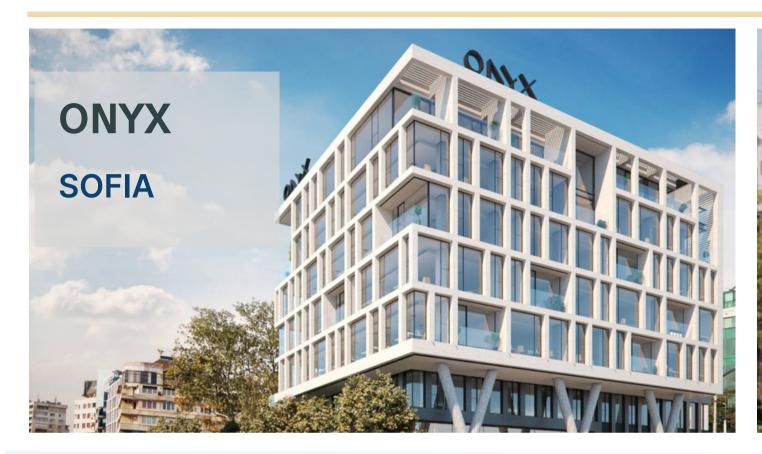


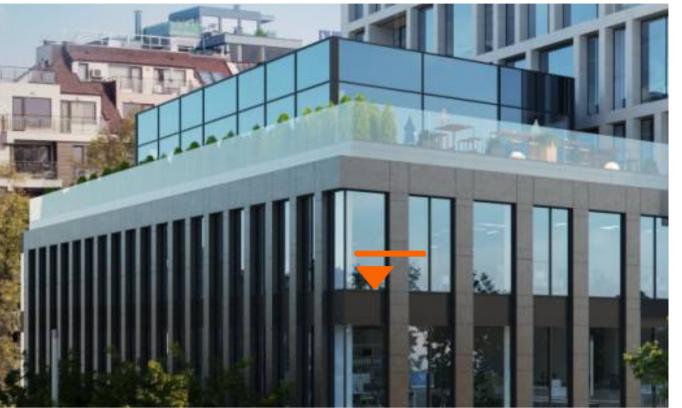
- Granite 40-45 mm thick 4 Slot-blade panel fixing
- 2 Heavy Duty Wall Bracket
 5 Undercut panel fixing
- 3 BILDA Strut Profile Preassembled elements

45%
Savings in materials

Case Study - Integration with Curtain Wall

COMPOSITE WALL SUBSTRATE





PROJECT FACTS

Height: 30 m

Cladding Panel: 30 mm thick Granite

and Limestone

Cladding system: BILDA Rainscreen system

- Preassembled units

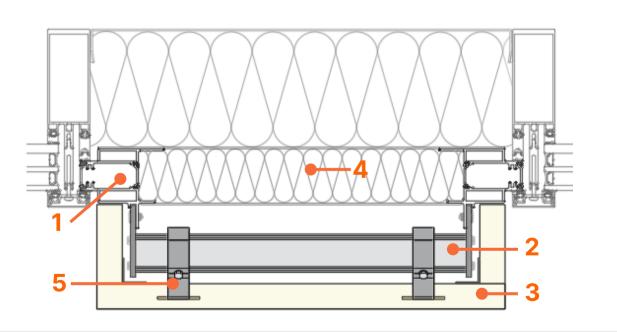
Covered façade area: 2600 m²

Architect: ProArch architects Ltd

Facade engineering: Facade Detail

Cladding installer: Alumina Elit

Year of construction: 2022



1 Bespoke framing profile 4 Composite panel

2 BILDA strut profile 5 Slot - blade fixing clips

3 Pre-assembled stone element

Challenge

composite wall panel
substrate - not structurally
admissible for fixing the
substructure

Solution

BILDA fixed the cladding system to the mullions of the CW units through a bespoke framing profile.

Negligible Thermal Impact

30% Cost Reduction

Why BILDA?



User-friendliness

- Simple to use
- Intutive



Versatility

- Supports simple cladding shells
- Models volume & relief features



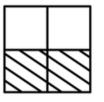
Speed

- Reduces manual operations at site
- Pre-assemblable in factory



Climate-friendliness

- lower carbon footprint
- enhance thermal performance



Universality

- Fixes panels of all types
- Accommodates all fixing methods



Cost efficiency

- Excellent strength-to-cost ratio
- Labour saved via quick connections
- Panel thickness may be reduced

Game-changing user centered, enhanced functionality system for fixing of opaque/rainscreen building envelopes (cladding and insulation) - advantages for all stakeholders in the envelope process

















Key Partners & Clients



CONTACT



- BILDA is a mature, wholesome and universal product that addresses all the requirements of the cladding trade, at lower cost and with enhanced functionality
- Optimized inventory, Easy to manage, promote, explain, install & sell

Visit BILDA website to discover more about our system



Follow us on LinkedIn to stay updated on our constant innovations, industry insights



www.bilda.net | www.stoa.net | bilda@stoa.net