

Support  
bracket

Patent "closed"  
section strut

Hole-dowel  
fixing

Slot-blade  
fixing

Any cladding  
material

Insulation  
out-fixing

Rear  
fixing

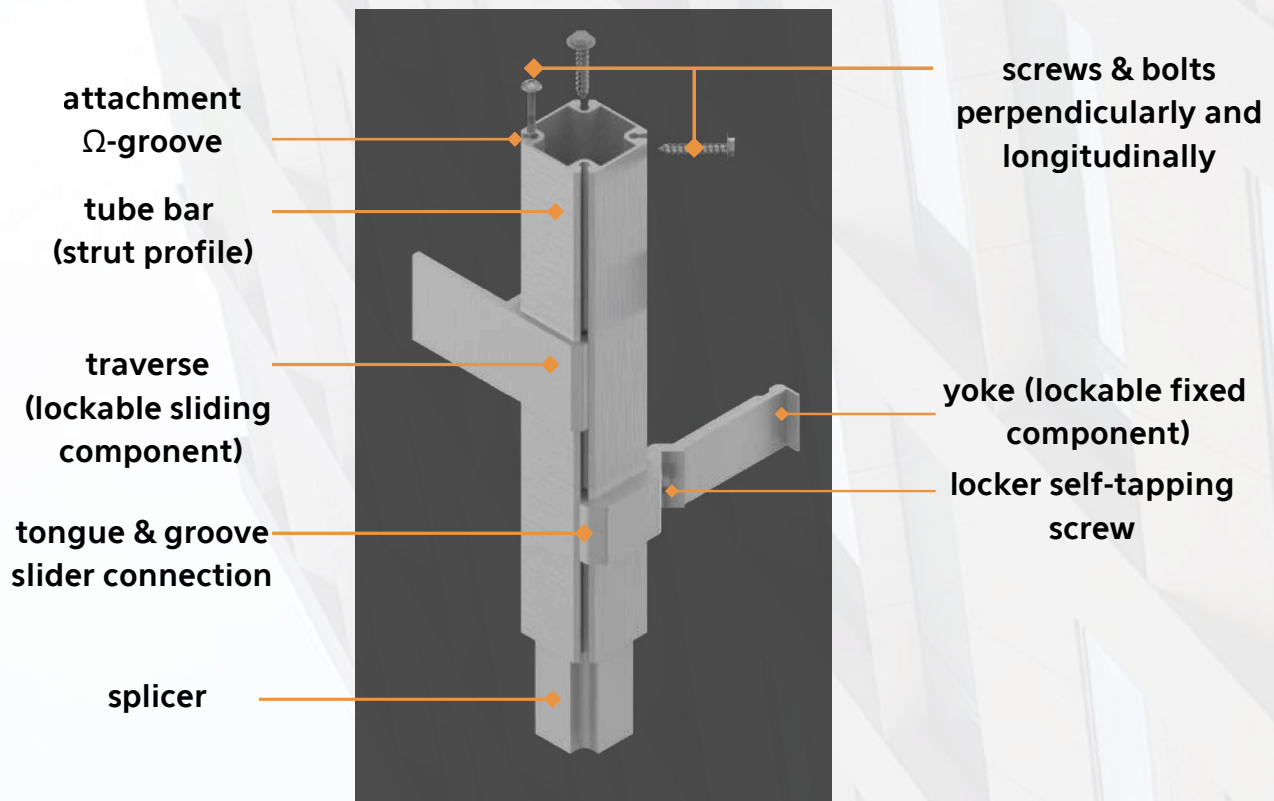
Wind  
brace

## SYSTEMS FOR ANY:

- cladding material & size
- panel fixing method
- façade pattern & feature

**Complete solution for any cladding**

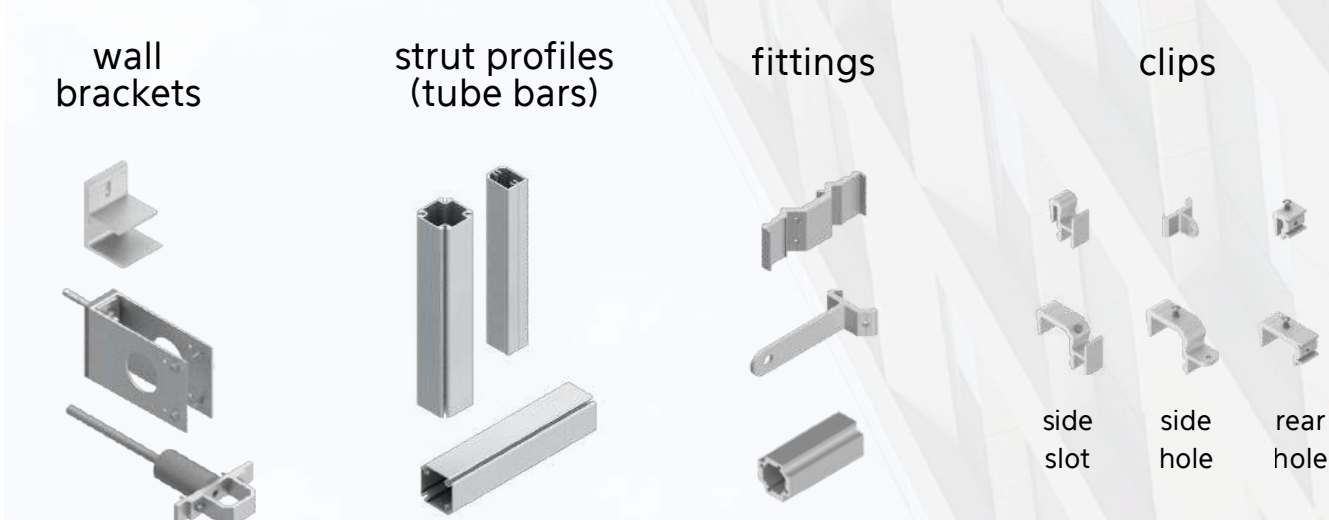
# BILDA® Bar/strut - rigid & multifunctional



**Composes light and resilient substructure grids and allows:**



- also horizontal positioning for fixing of 'portrait' oriented cladding panels;
- quick locking attachment of components - dual penetration and fixing;
- pre-assembly of frames and spatial units by simple mechanical joining without welding.

## BILDA® Components - integral & interlocking



- Simple and interactive inventory for the whole rainscreen envelope (cladding & insulation);
- Interchangeable, interlockable, multifunctional components;
- Facilitating accessories (scaffolding clamps, patchwork fixing set).

**Structural Concept Comparison**

	profile type	
<b>closed section patent profile</b>		<b>open section simple profile</b>
1240 g/m	profile weight	1200 g/m
5.60 cm <sup>3</sup>	section modulus (rigidity indicator)	2.60 cm <sup>3</sup>
1 bracket 1 brace	attachments per floor height	4-5 brackets

**BILDA - creates leaner yet stronger assemblies:**

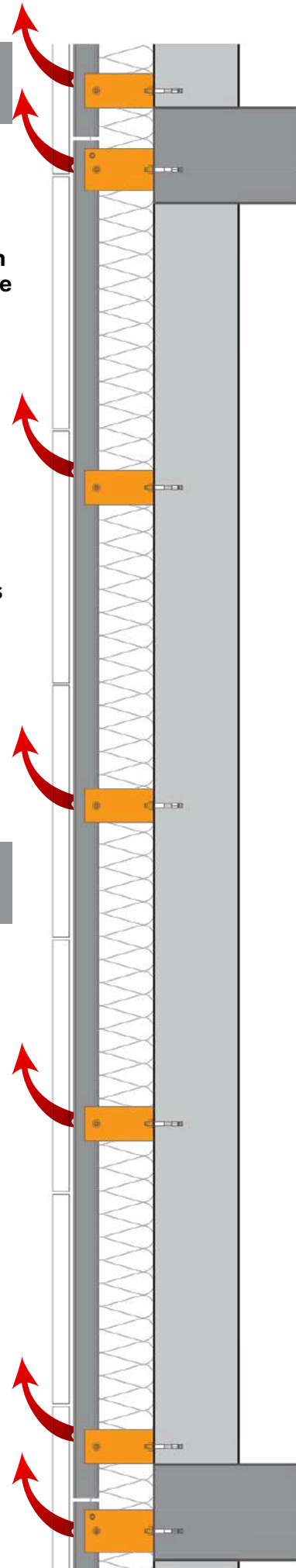
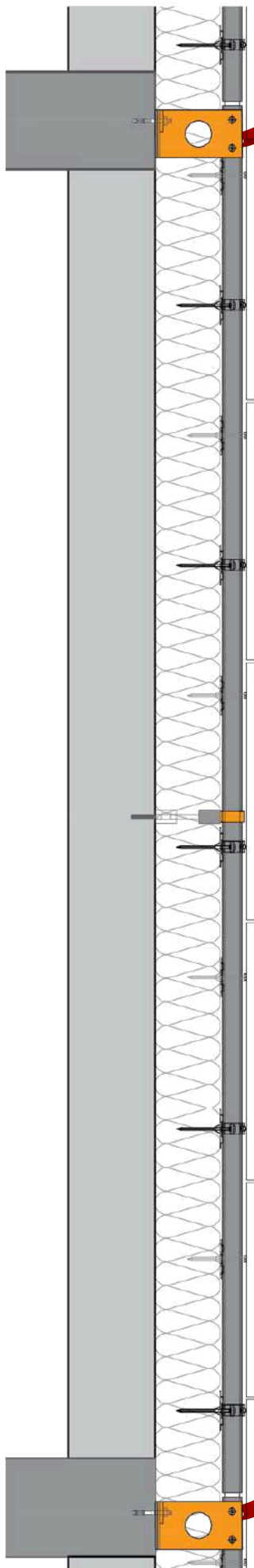
- saves fasteners, substructure and cladding material
- saves production and installation time at site
- achieves lowest embodied Carbon

**Thermal Performance Comparison**

Stainless steel	bracket material (SS less conductive)	Aluminium
<b>Advanced</b>	bracket thermal performance (acc. to PH Institute)	<b>Basic</b>
0.25pcs/m <sup>2</sup>	brackets per square meter	1.20pcs/m <sup>2</sup>
0.014 W/m <sup>2</sup> K	overall envelope heat loss (ΔU) (acc. to PH Institute)	0.030 W/m <sup>2</sup> K

**BILDA - unmatched thermal performance:**

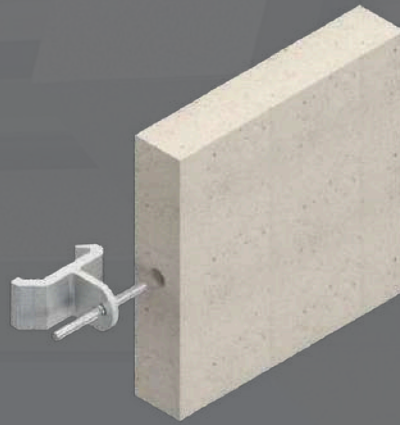
- minimizes thermal bridging of the building envelope
- achieves lowest operational Carbon



# BILDA® One SuperSystem for any cladding



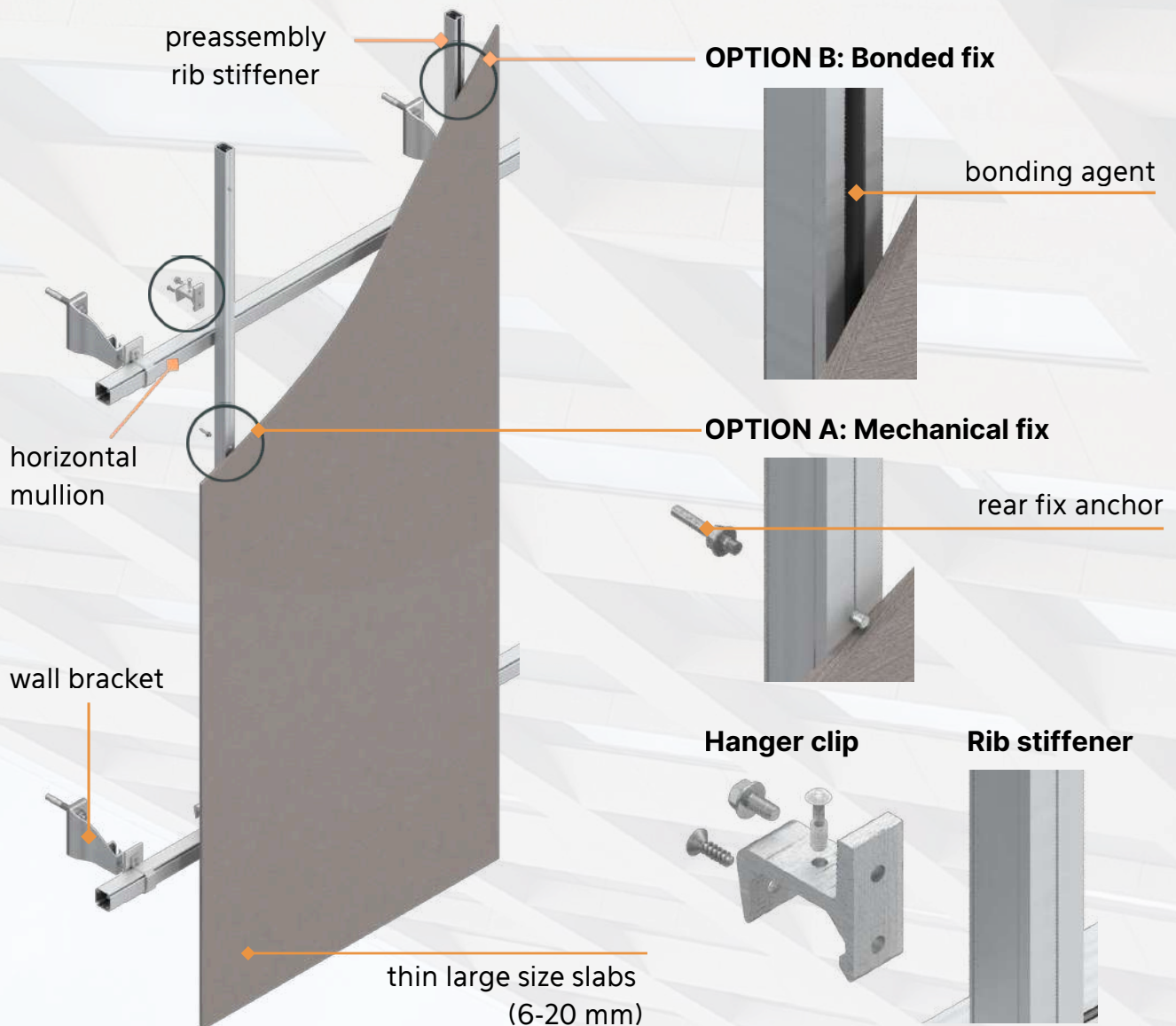
precision side slot  
(recommended)



side hole












rear hole  
(straight, undercut)



- Variety of clips for all concealed panel fixing methods (slot and hole, side and rear)
- Rib stiffening for preassembly (mechanical or bonded) of large size thin panels.

# BILDA® Advantages and benefits for all stakeholders

 <b>Architects:</b>	 <b>Façade Engineers:</b>	 <b>General Contractors:</b>
<ul style="list-style-type: none"> <li>• unleash creativity,</li> <li>• design sustainably,</li> <li>• minimize constraints,</li> <li>• regain &amp; retain control!</li> </ul>	<ul style="list-style-type: none"> <li>• optimize processes,</li> <li>• design with confidence,</li> <li>• unleash productivity,</li> <li>• minimize carbon footprint!</li> </ul>	<ul style="list-style-type: none"> <li>• simplify management,</li> <li>• optimize coordination,</li> <li>• improve QA &amp; QC,</li> <li>• control schedule!</li> </ul>
 <b>Envelope Installers:</b>	 <b>Materials Manufacturers:</b>	 <b>Commercial Partners:</b>
<ul style="list-style-type: none"> <li>• improve productivity,</li> <li>• increase profitability,</li> <li>• enjoy work facility,</li> <li>• enhance your proposition!</li> </ul>	<ul style="list-style-type: none"> <li>• enjoy technical support,</li> <li>• improve coordination with planners,</li> <li>• expand business horizon,</li> <li>• add value to your proposal!</li> </ul>	<ul style="list-style-type: none"> <li>• increase profitability,</li> <li>• enjoy sales growth,</li> <li>• support customers easily,</li> <li>• expand market share!</li> </ul>
 <b>Unique Concept</b>	 <b>Basic Advantages</b>	 <b>Benefits in Numbers</b>
<p>Mullion/Strut - rigid &amp; multi-functional</p>	<p>Provides structurally optimized solutions</p>	<p><b>20-30%</b> Savings on envelope materials</p>
<p>Components - integral &amp; interlocking</p>	<p>Simple lego-like intuitive connections - minimised number of installation operations</p>	<p><b>50-60%</b> Savings on installation expense</p>
<p>One SuperSystem - for any cladding</p>	<p>Simplifies envelope building process</p>	<p><b>30-40%</b> Savings on management time</p>
<p>Cladding assemblies - optimized, lean, min thermal bridging</p>	<p>Facilitates low Carbon, affordable solutions</p>	<p><b>40-50%</b> Reduction of Carbon footprint</p>

# BILDA® Panel fixing socket processing

**Machinery & tools** for slotting & drilling, for the factory and the building site.

## Table Rig

- highly efficient, fast and multifunctional;
- circular water cooling;
- light-weight (59-76 kg), portable;
- multidirectional rolling wheels for easy handling of panels.



## Handheld machines

- stable and easy to operate;
- water cooled;
- light (4.7kg), compact, portable;
- suction cup model available;
- low cost.



## Tools

- diamond, widia, carbo-flex – standard and special sizes;
- milling wheels for BILDA precision slot (52/2.6mm, 58/3.6mm), bespoke sizes available on demand;
- drilling bits for holes of 6,8,10 and 12 mm diameter;
- usable with other machines: CNC, various handheld routers, angle grinders, etc.

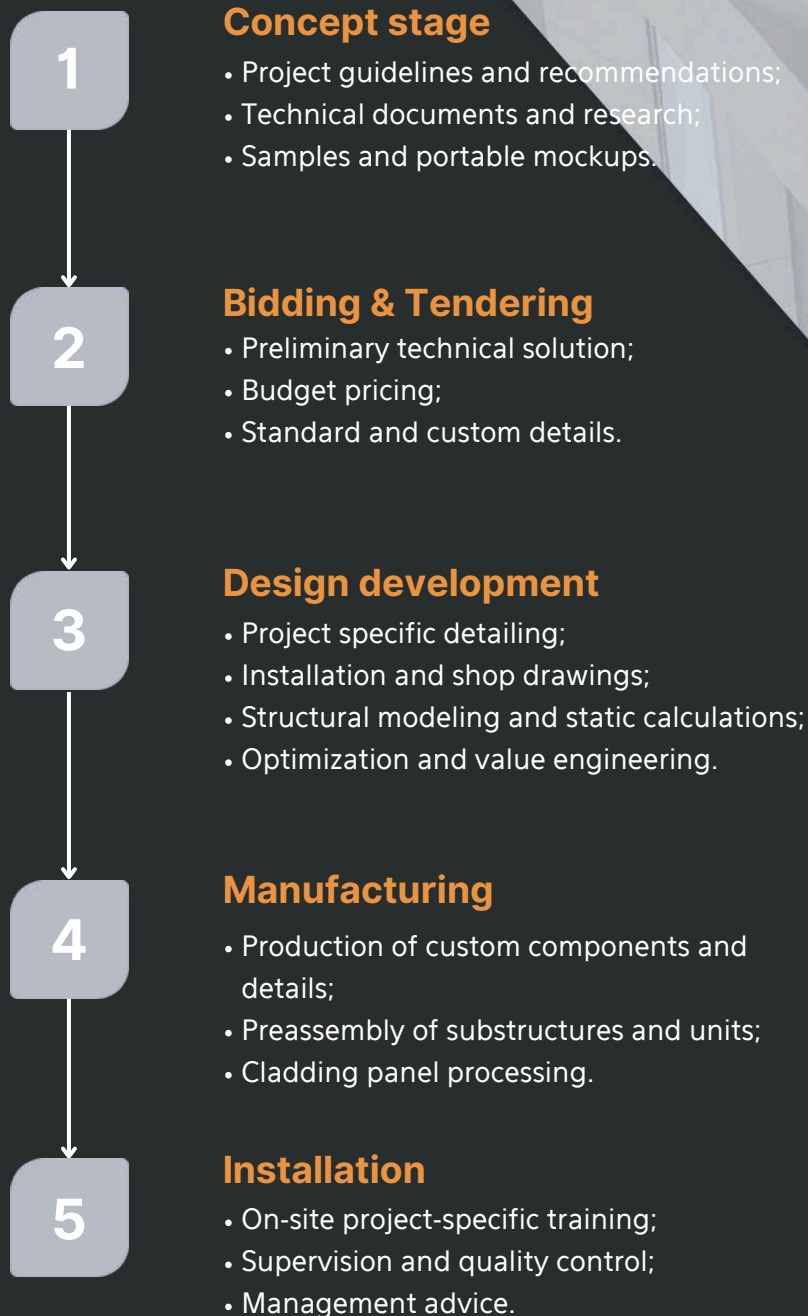


Diamond milling wheels

Drilling bits

## With you from concept to installation

BILDA team, in addition to system component supply, offers technical support and advice. Free training is provided for façade planners and installers, interested in using BILDA System in their projects. With our long experience in envelope building activities we can provide assistance in:



## With you after...

BILDA in-house Training Center operates for our customers and partners who wish to know more about rainscreens, our products and innovations. We will share skills and knowledge (accumulated for more than 30 years) of proper cladding processes and BILDA system application. Full technical support at your disposal.



**Zalmhaven Tower,  
Rotterdam, The Netherlands**



**Onyx Residence,  
Frankfurt, Germany**



**The Foundation Parnell,  
Auckland, New Zealand**



**University Sports Complex,  
Kuwait City, Kuwait**



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**Book a meeting!**

**Send your project for a technical solution and quote!**