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Freedom of design:

fischer System A | C | T

for fixing ventilated cladding

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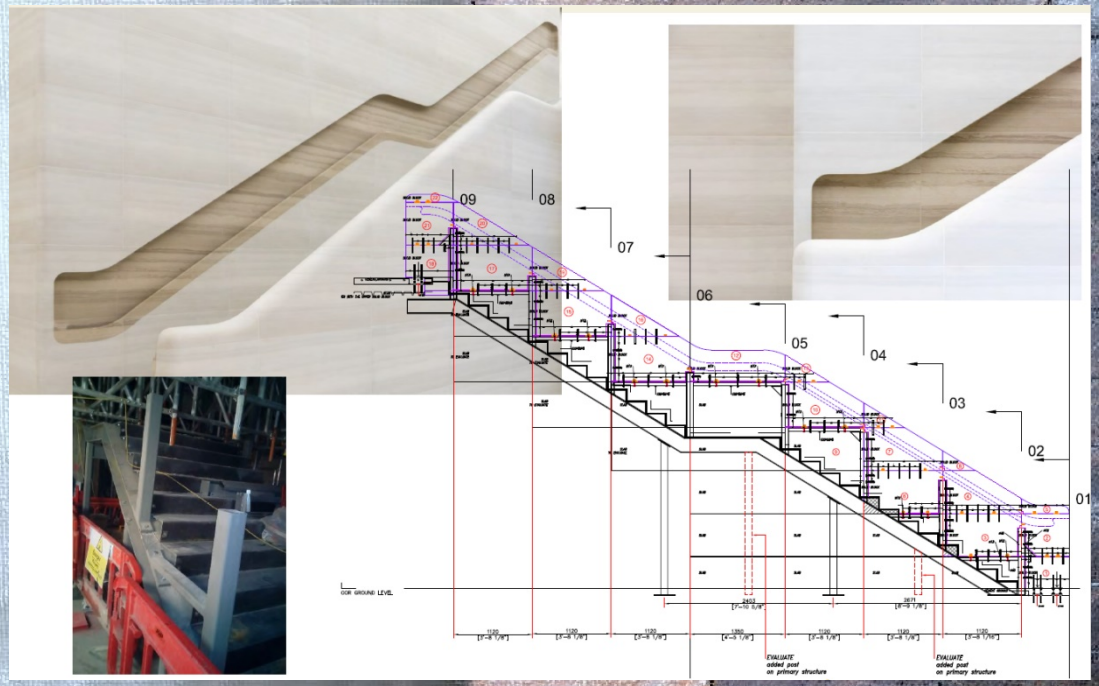
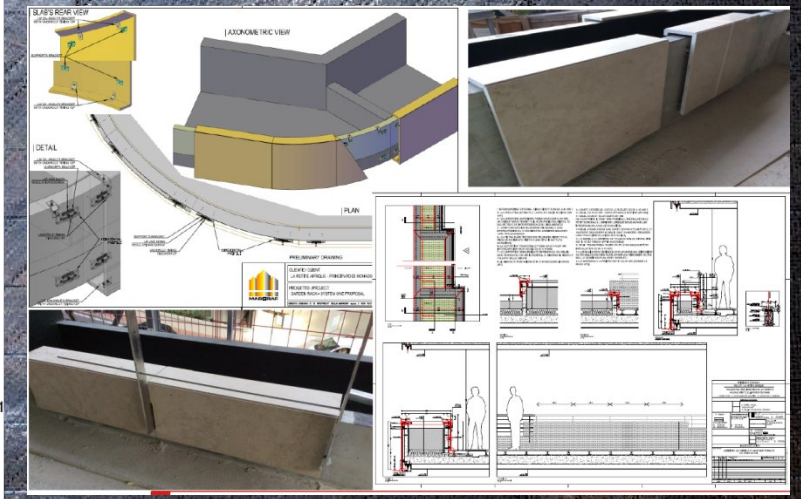
No limits:

From the most complex concept to the finished work

With one goal

Customer satisfaction





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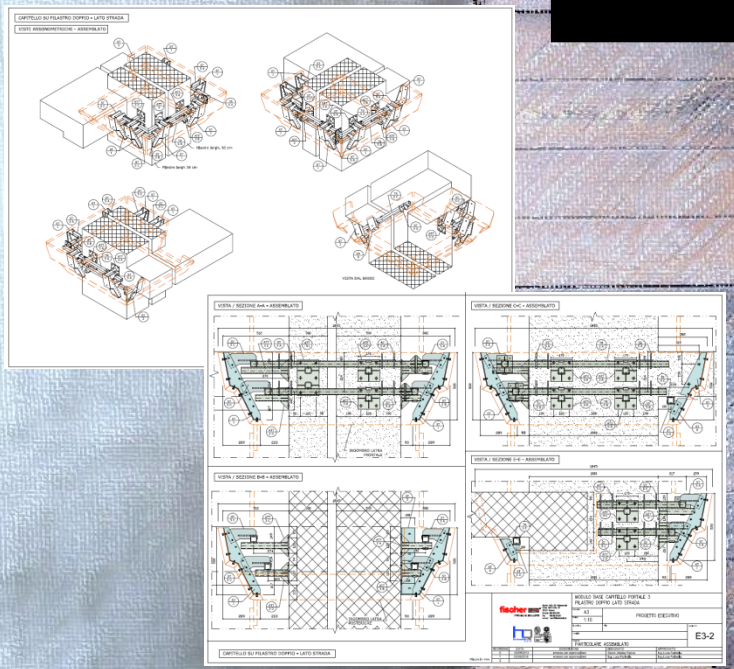
Global service:

- > Subframe design (shopping drawing)
- > Tests in real scale (wind, earthquake)
- > Cooperation with University Institutes
- > Partecipation in coodination meetings
- > Installation supervisione with qualified technicians
- > Support on site



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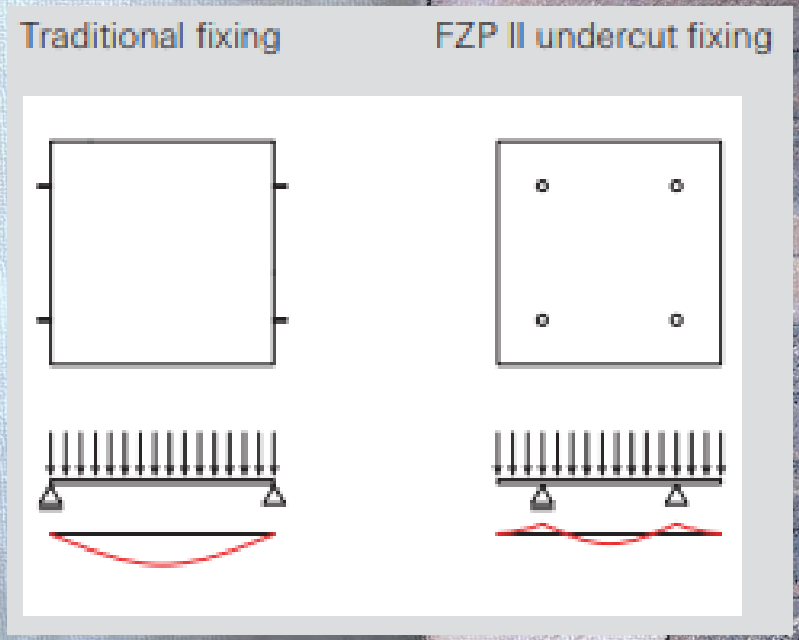
FZP II Techonogy:

> Maximun safety in extreme conditions (-40°C +80°C)

> CE approval on all kind of stone

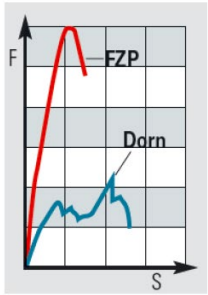
> Higher breaking loads (min 3x)

> Slab behaviour optimization ⟶ cost saving



Valori di resistenza a confronto

FZP II



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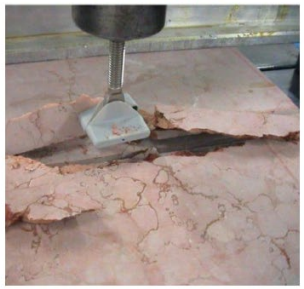

Material	Panel thickness [mm]	Embedment depth h_v [mm]	Connection thread	Average ultimate load value FZP II [kN]	Dorn [kN]
Tropical Sun	30	15	M8	6,0	1,8
Rosa Sardo Beta	30	15	M8	7,5	2,2
Impala Black	30	15	M8	13,0	2,6
Jura limestone	30	15	M8	6,5	2,5
Obernkirch sandstone	40	20	M8	5,5	1,9
Udelfanger sandstone	40	20	M8	4,0	1,7

FZP II Technology:

> Stone mechanical properties definitions

> Defined design load for each lithotype

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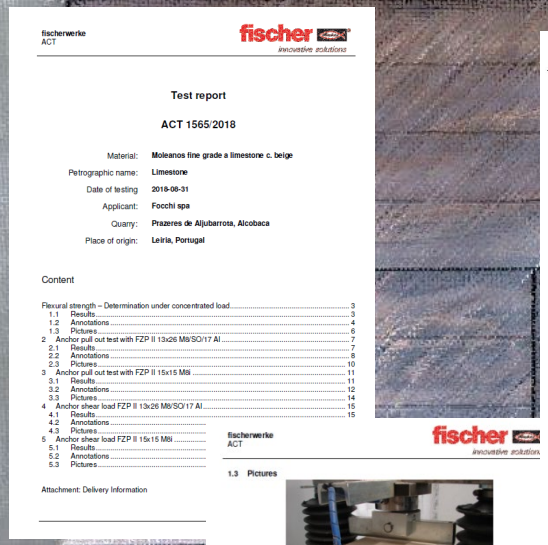
Deutsches Institut für Bautechnik
Zulassungsstelle für Bauprodukte und Bauarten
Bautechnisches Prüfamt
Eine vom Bund und den Ländern gemeinsam getragene Anstalt des öffentlichen Rechts
Kolonnenstraße 30 B
D-10829 Berlin
Tel.: +4930 78730-0
Fax: +4930 78730-320
E-Mail: dibt@dibt.de
www.dibt.de

Mitglied der EOTA
Member of EOTA

European Technical Approval ETA-11/0145

English translation prepared by DIBt - Original version in German language

Handelsbezeichnung *Trade name*	fischer-Zykon-Plattenanker FZP II *fischer-Zykon-panel anchor FZP II*
Zulassungsinhaber *Holder of approval*	fischerwerke GmbH & Co. KG Weinhalde 14 -18 72178 Waldachtal DEUTSCHLAND
Zulassungsgegenstand und Verwendungszweck *Generic type and use of construction product*	Spezialanker zur rückseitigen Befestigung von Fassadenplatten aus ausgewählten Naturwerksteinen nach EN 1469 *Special Anchor for the rear fixing of façade panels made of selected natural stones according to EN 1469*
Geltungsdauer *Validity*	vom *from* 30 June 2013 bis *to* 30 June 2018
Herstellwerk *Manufacturing plant*	fischerwerke



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ACT

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Test report

ACT 1565/2018

Material:	**Moleanos fine grade a limestone c. beige**
Petrographic name:	**Limestone**
Date of testing	**2018-06-31**
Applicant:	**Focchi spa**
Quarry:	**Prazeres de Aljubarrosa, Alcobaca**
Place of origin:	**Leiria, Portugal**

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5.1 Results 15
5.2 Annotations 15
5.3 Pictures 15

Attachment: Delivery Information

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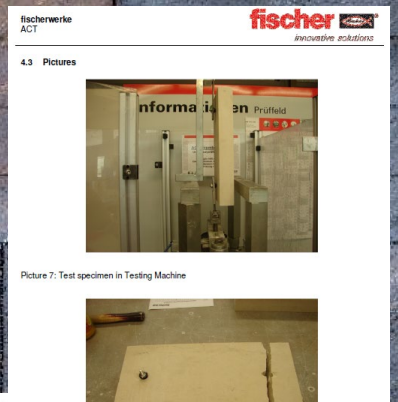
1.3 Pictures

Picture 1: Test equipment

Picture 2: Typical material failure



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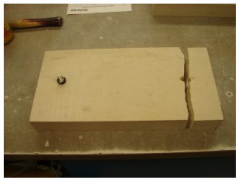
4.3 Pictures

Picture 7: Test specimen in Testing Machine



Picture 8: Typical failure

PHOTOGRAPHIC DOCUMENTATION:

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Safety is a tailor-made suit

- > Seismic tests in real scale
- > Wind test in real scale
- > Solution for facade safety in case of fire
- > Impact tests

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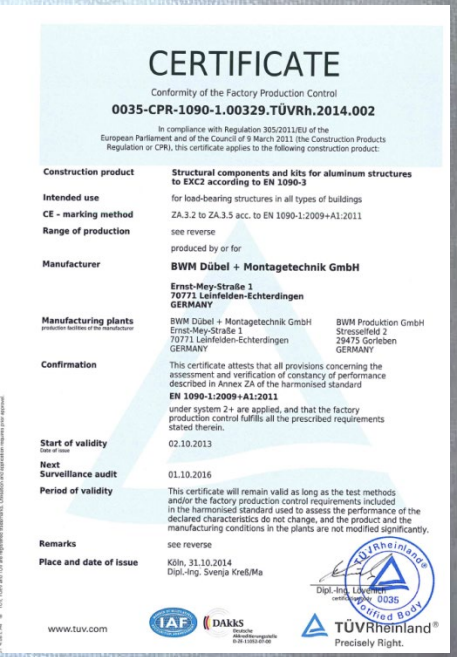
Certified subframe

A real and safety solution for any problems



CERTIFICATE

Conformity of the Factory Production Control

0035-CPR-1090-1.00329.TÜVRh.2014.002

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the following construction product:

Construction product	**Structural components and kits for aluminum structures to EXC2 according to EN 1090-3**
Intended use	for load-bearing structures in all types of buildings
CE - marking method	ZA.3.2 to ZA.3.5 acc. to EN 1090-1:2009+A1:2011
Range of production	see reverse
	produced by or for
Manufacturer	**BWM Dübel + Montagetechnik GmbH** **Ernst-Mey-Straße 1** **70771 Leinfelden-Echterdingen** **GERMANY**
Manufacturing plants production facilities of the manufacturer	BWM Dübel + Montagetechnik GmbH Ernst-Mey-Straße 1 70771 Leinfelden-Echterdingen GERMANY BWM Produktion GmbH Stresselfeld 2 29475 Gorleben GERMANY
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard **EN 1090-1:2009+A1:2011** under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements stated therein.
Start of validity Date of issue	02.10.2013
Next Surveillance audit	01.10.2016
Period of validity	This certificate will remain valid as long as the test methods and/or the factory production control requirements included in the harmonised standard used to assess the performance of the declared characteristics do not change, and the product and the manufacturing conditions in the plants are not modified significantly.
Remarks	see reverse
Place and date of issue	Köln, 31.10.2014 Dipl.-Ing. Svenja Kreß/Ma

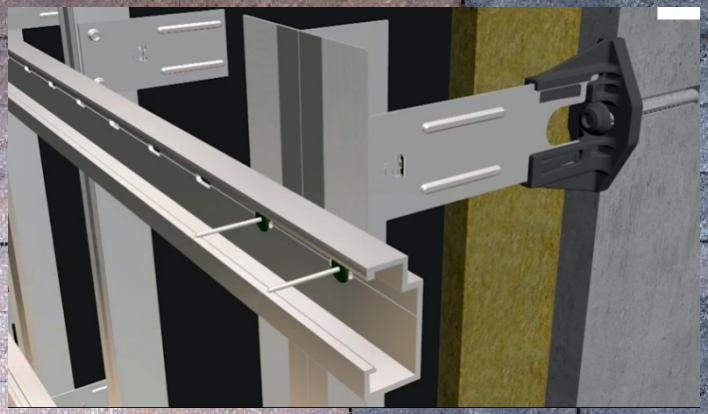
Dipl.-Ing. Lövenich
certification officer

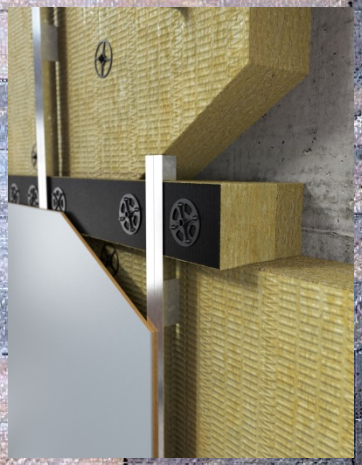
TÜVRheinland® Notified Body 0035

www.tuv.com

IAF DAkkS Deutsche Akkreditierungsstelle D-ZN-11053-07-00

TÜVRheinland® Precisely Right.





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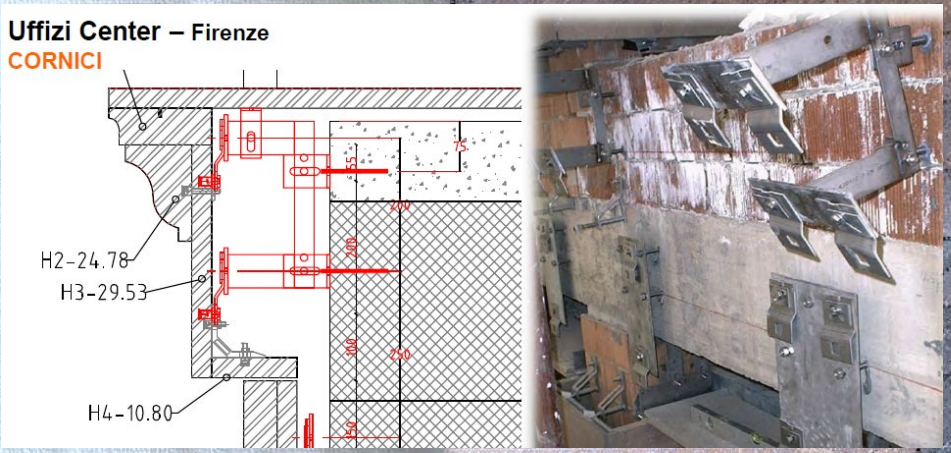
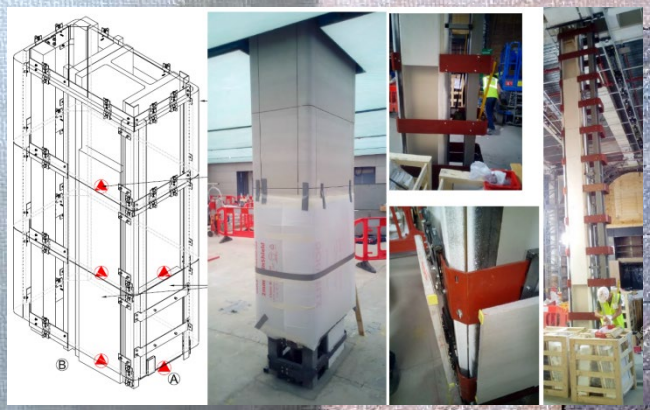
Customized Subframe

Because every construction site has its needs





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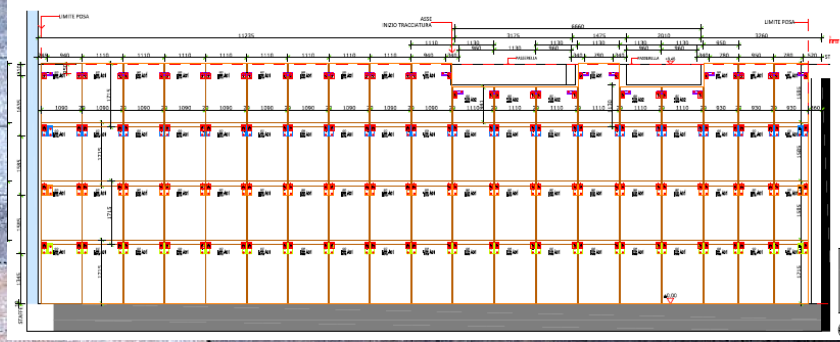
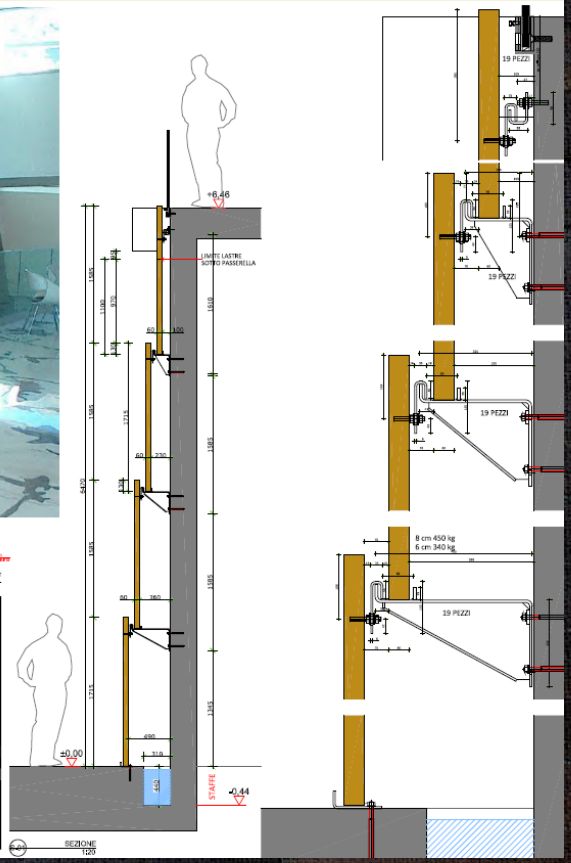
Customized Subframe

Because every construction site has its needs





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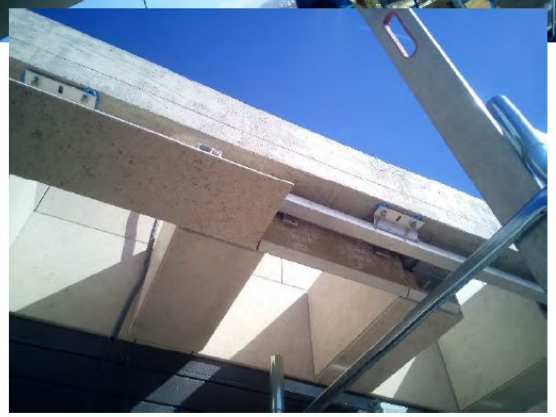
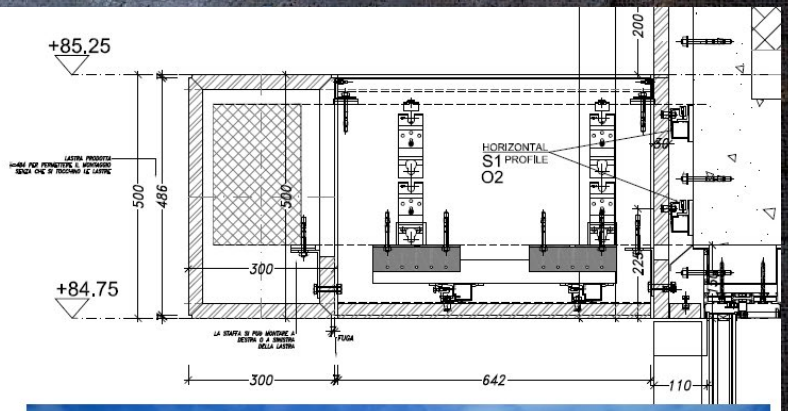
Because every construction site has its needs





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Shared Goals!

Project Teamwork

Monitoring with Project Manangement approach and tools

Full integration Design – Supply – installation

Proactivity

> We prevent the problem to solve them better

> Team play

> High specialization of our installation team

> Training on the specifics singularities of any Project

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Continuous Improvement

Know and to know how to do

Training for installation teams

In field support

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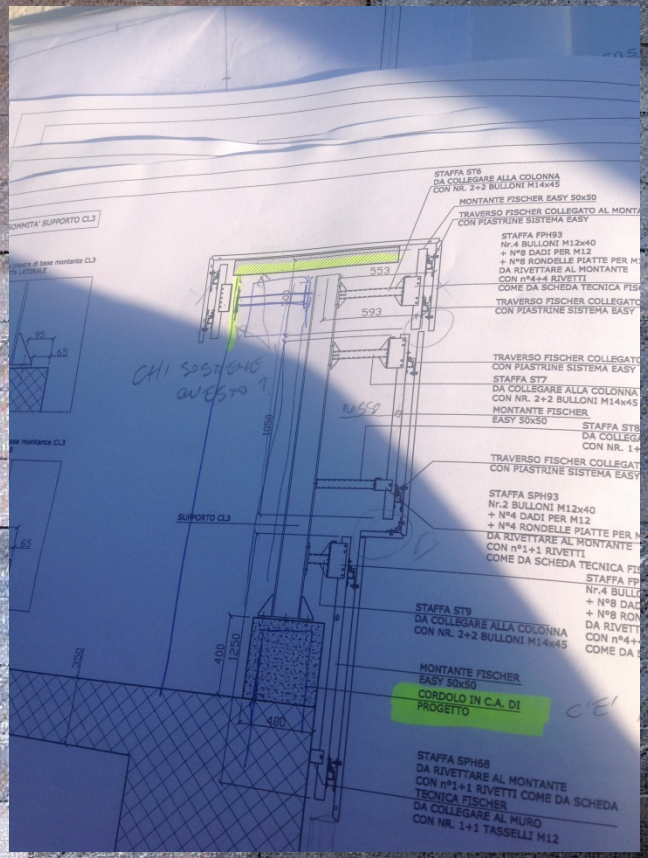
On site Technical support



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One solution for any need

Big wall air gap

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Ceiling

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One solution for any need

Ceiling and intrados clad

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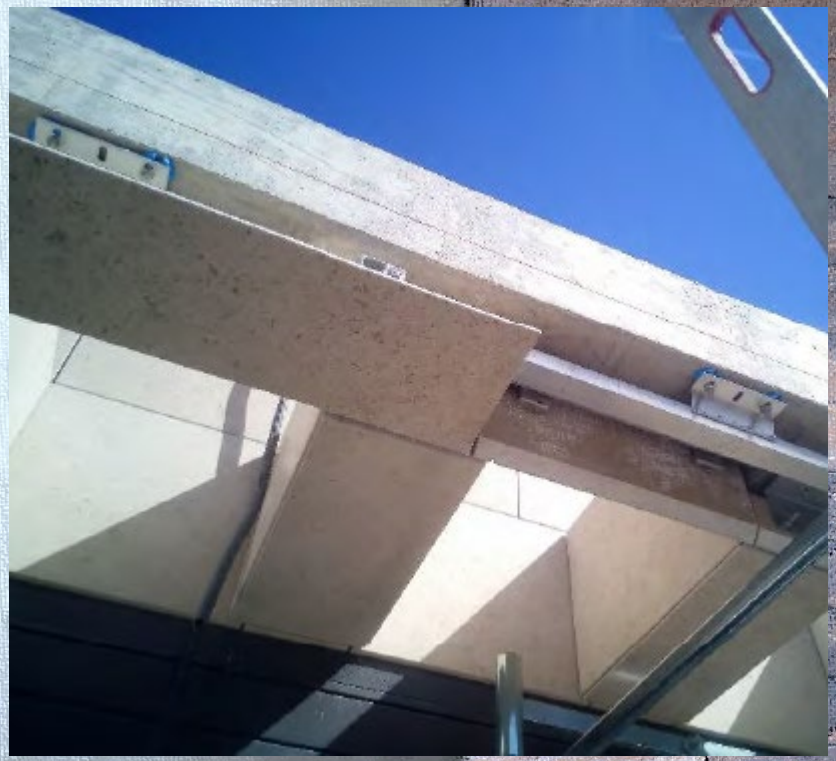
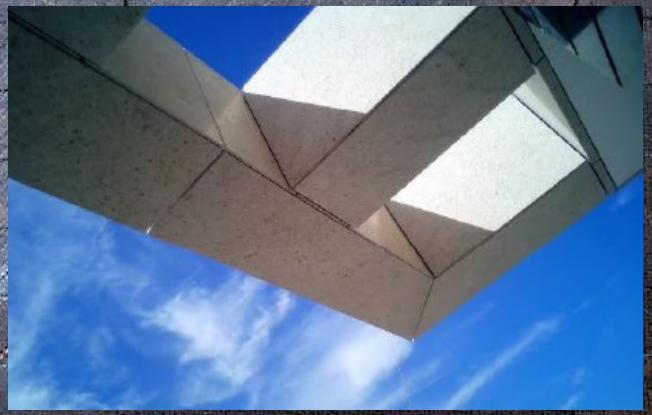
One solution for any need

Ceiling





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One solution for any need

Tailored solution

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Build the future Togheter