



Cold-formed steel curtain wall systems

**Professionalism & profit in one façade**

Passion for innovation to classics of tomorrow

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1. Fassada Steel SA – the firm
2. Our DNA
3. Our vision and focus
4. Our philosophy – the 3 stakeholders
5. First we think, than we build to last
6. Fassada HS75-hybrid steel: USP's
7. Hybrid technologies
  - What is a “hybrid” curtain wall?
  - Drastic reduction of CO<sub>2</sub> emission & energy consumption
  - Real sustainability
  - Circularity
  - Comforting answer for air pollution in cities
  - Shorter execution times
  - Social sustainability
  - External claddings
  - “keeping the sun out” – Fassada patented solutions
  - Fire resistance
8. Innovation and cost saving, hand-in-hand
9. Our presence in the world
10. Our patents in the world



**Belgian engineering**



**Swiss manufacturing**

### Our DNA is simple & clear, to offer to the market

- State-of-the art, groundbreaking
- Not just innovative, but disruptive
- Cost-effective technologies
- Engineered with a holistic philosophy of max cost reduction and risk control
- With never seen attention for sustainability, climate change & reduction of CO<sub>2</sub> emissions

Fassada is an **economic vision** with the necessary concern for the wellbeing on our planet.



<https://www.youtube.com/@fassadasystems1750>

### The 3 stakeholders

Value for money  
Fast execution  
Low maintenance  
High performance



**Investor**



**Architect**

Maximum design freedom  
No technical worries  
Sustainable  
Elegant solutions



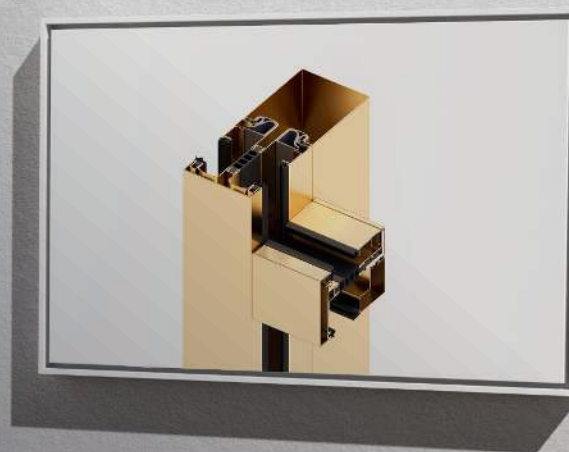
**Façade  
contractor**

Minimum cost  
Minimum technical risks  
High performance  
Healthy margin

The perfect match,  
together,  
we can make a change



First we think,  
than,  
we build to last.



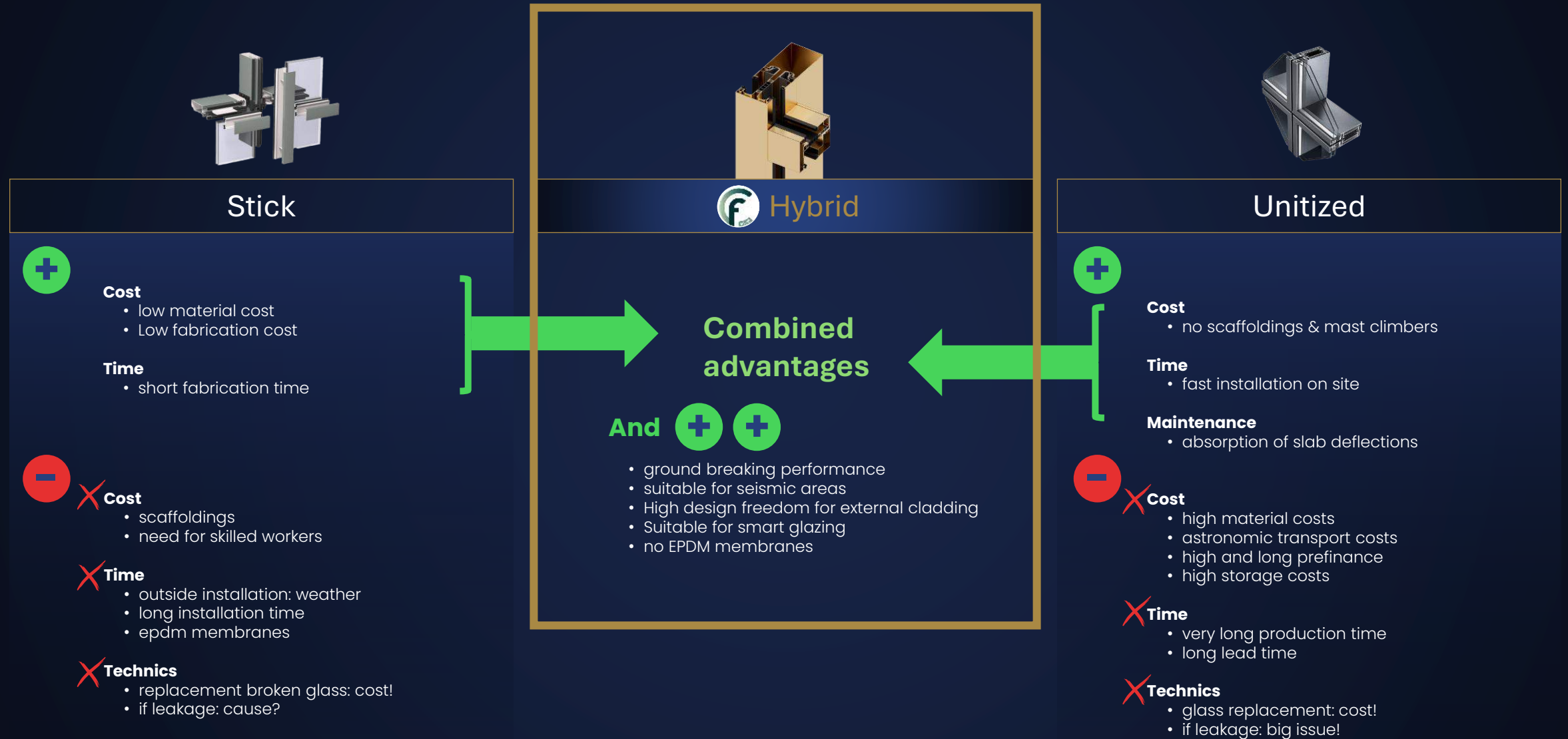
## Fassada H75-hybrid steel : USP's of hybrid steel



Hybrid  
steel

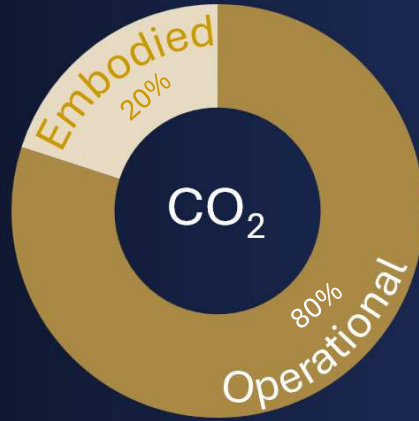
- 10 times less CO<sub>2</sub> emission compared to aluminium
- steel = green
- easiness of fabrication: no welding required
- no issue of circularity
- fire resistance
- strong and structurally sound material
- competitive with stick aluminium systems
- significantly more economic than unitized aluminium systems

## Hybrid technologies : What is a “hybrid” curtain wall?



Fassada hybrid not only combines the best of both worlds, stick and unitized, but adds a long list of further USP's

## Hybrid technologies : Drastic reduction of CO<sub>2</sub> emission & energy consumption

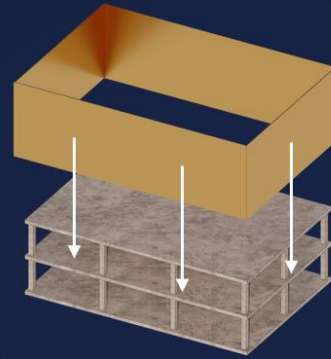


**CO<sub>2</sub> emission  
conventional building**

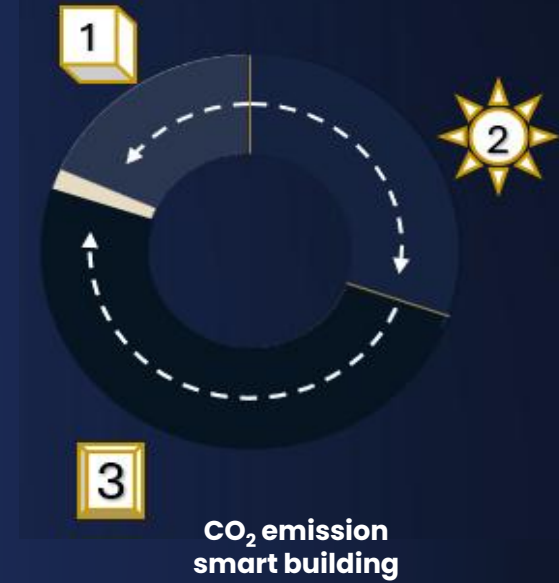
Embodied CO<sub>2</sub> **20%**

Operational CO<sub>2</sub> **80%**

Reduce the energy need



The façade is the physical barrier  
between inside & outside  
climate.



**CO<sub>2</sub> emission  
smart building**

**2%**  alu --) steel 10x less

**0%**  50% balance: by archi. PV panels

 30% reduction: keeping the sun  
out

Green products are nice, however a debate in the margin.

The real challenge is to tackle the 80% of the operational CO<sub>2</sub> emission ... by **a smart façade**

## Hybrid technologies : Real sustainability

It's about ..... saving money!

### Combination of

- drastic reduction of CO<sub>2</sub> emissions
- drastic reduction of energy needs
- drastic reduction of transport

#### Unitized systems



#### Fassada – hybrid

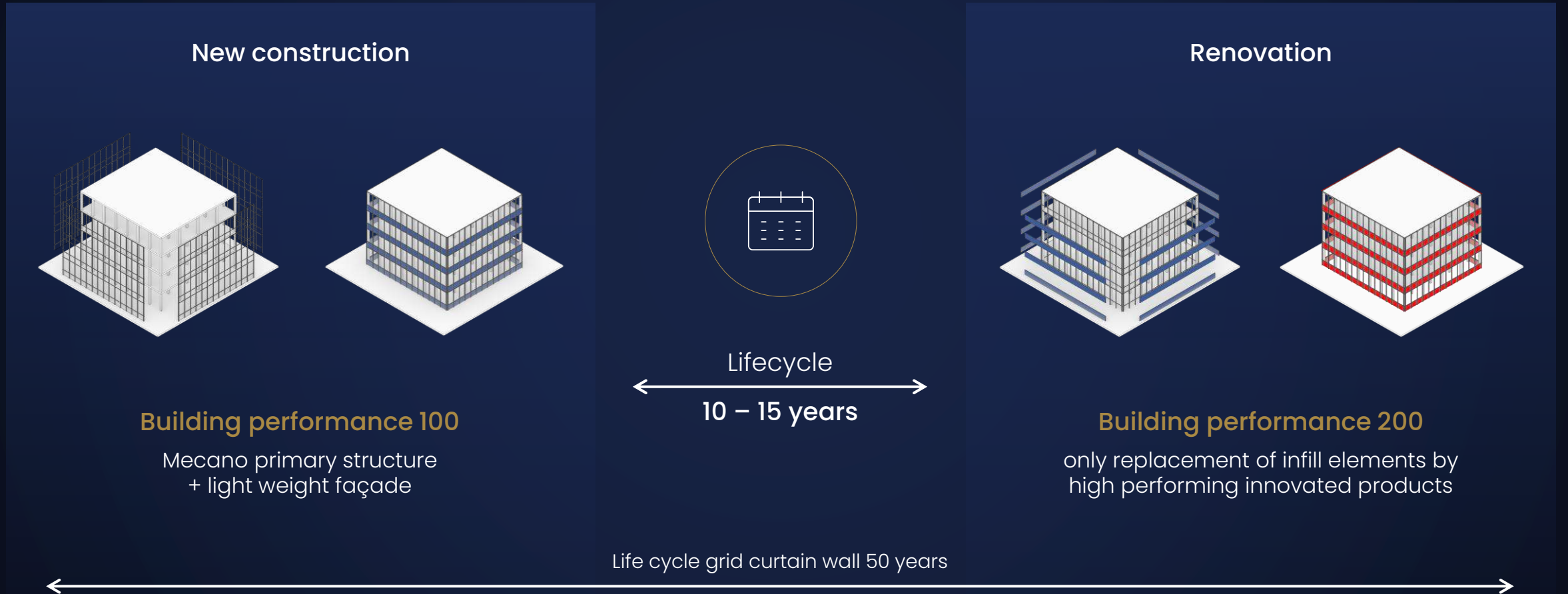


- sustainable products such as green stainless steel and no circularity issue
- social sustainability, access to non – or low-skilled workers
- ....

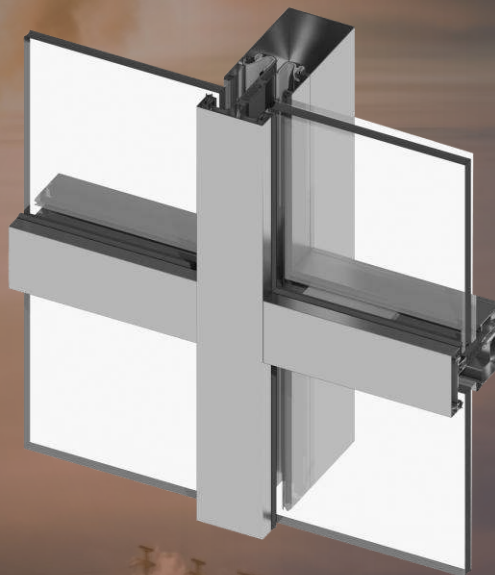
**Real sustainability is ..... more than marketing of green numbers**

## Hybrid technologies : Circularity

As the façade grid is not a disposable product ... the best circularity is no circularity!

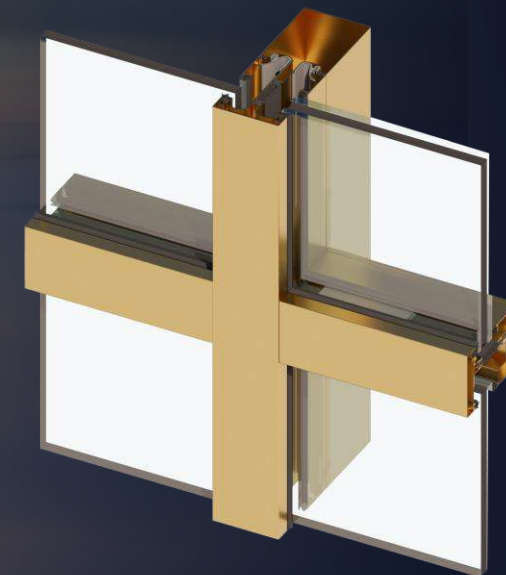


## Hybrid technologies : Comforting answer for air pollution in cities



### HS75-hybrid steel

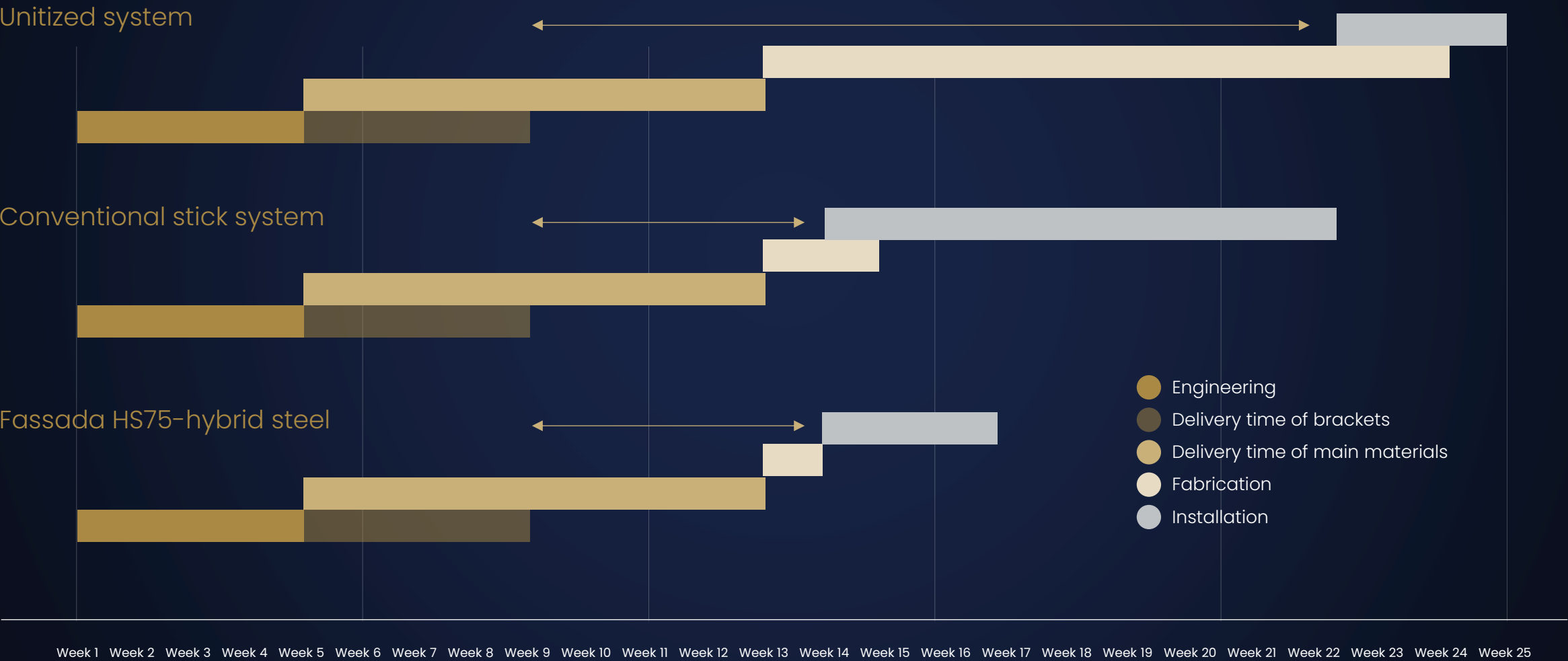
- Galvanized steel system
- Powder coated or wet painted



### HS75-hybrid stainless steel

- Stainless steel system
- Inside 304L – Outside 316L

# Hybrid technologies : Shorter execution times



## Hybrid technologies : Social sustainability

Our smart technology is fit for low-skilled workers.

- straightforward & stripped-down solutions
- can be implemented as well by low skilled workers

We do everything in our power to minimise risks.

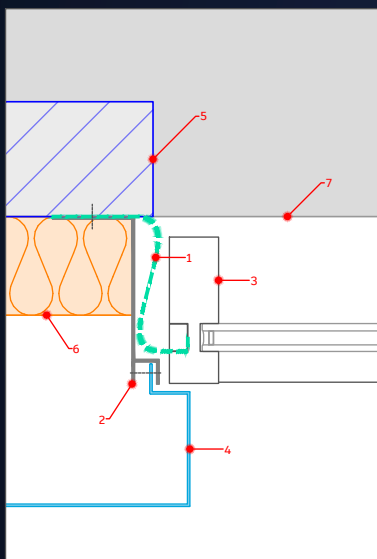
- easily installable from the inside
- ensuring safest possible implementation



## Hybrid technologies : External claddings

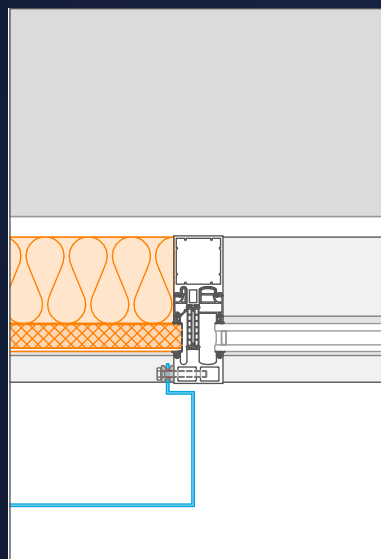
- Full installation & glazing from inside
- Perfect uninterrupted shield
- No silicone, no membranes

Conventional system

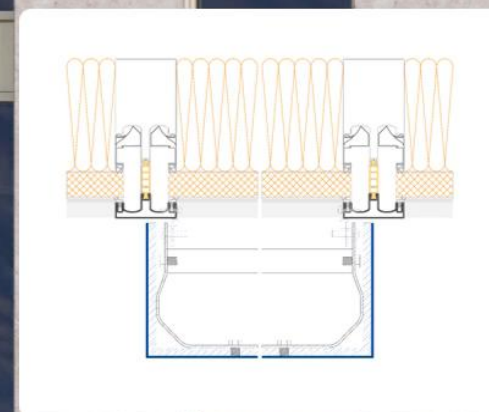


1. EPDM membrane
2. Substructure
3. Mullion
4. Cladding
5. Wall
6. Insulation
7. Edge of the slab

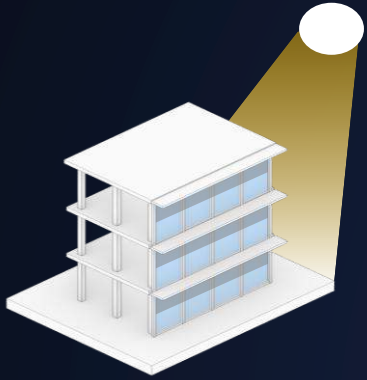
Fassada smart solution



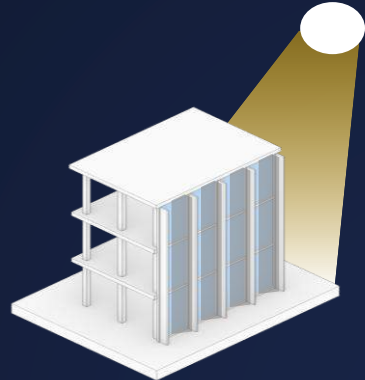
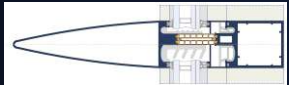
- No interior wall
- No membrane!
- Uninterrupted skin – no perforations
- 1 plane thermal & acoustical skin



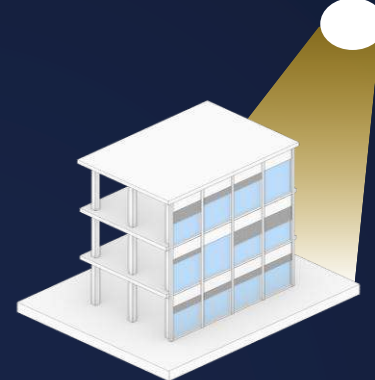
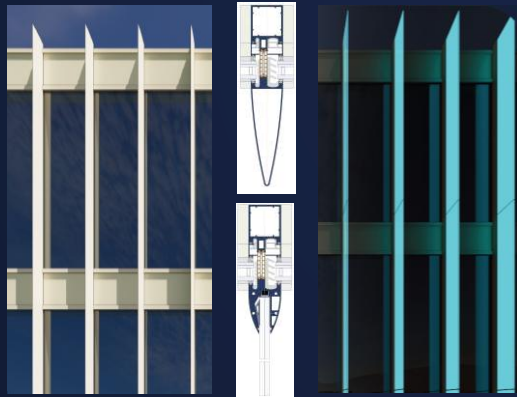
## Hybrid technologies: Keeping the sun out – Fassada patented smart solutions



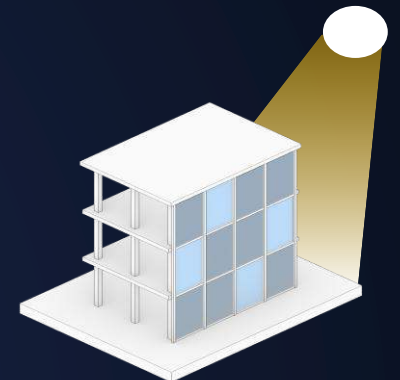
Horizontal louvres



Vertical louvres



Sunshading screens



Smart glazing



Full proof installation from inside, it's our DNA.  
Keeping the sun out, it our mission.

## Hybrid technologies : Fire resistance



HS75-hybrid steel curtain wall systems

**Real fire resistance.** Tower inferno belongs to the past, once and for all

## Innovation and cost saving, hand-in-hand



At the end of the day, it's **all about money**

Garry Kasparov



Disruption & cost-saving efficiency goes **hand in hand**

## Our presence in the world

### HQ

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info@fassada.be

### Switzerland

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Via Gerrette 4  
Industrial Zone 5  
CH-6855 Stabio

### UEA

Al Saqr BusinessTower  
Trade Centre  
Sheikh Zayed Road 91  
DIFC – Dubai

### Brand offices opening soon

Fassada UK  
Manchester, UK

Fassada Americas  
Conroe, Texas

Fassada Central-Europe  
Basel, Switzerland

Fassada Asia  
Singapore

## Our patents in the world

*Patented in  
over 70 countries*





**Passion for innovation to classics of tomorrow**

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