



Your Dreams, Our Challenge

AGC Group at a glance



- 3 main business segments:
 - Glass
 - Electronics
 - Chemicals
- Sales: € 13.068 billion*
- Operating profit: € 1.587 billion*
- 56,000 employees*
- 206 companies in over 30 countries
- Headquarters and stock exchange listing: Tokyo

^{*} end 2021

AGC Glass Europe in a nutshell



100 More than 100 sites throughout Europe



15,200

employees at the service of our customers



Building and Automotive

Glass supplier to the Building & Industry and to the Automotive sector



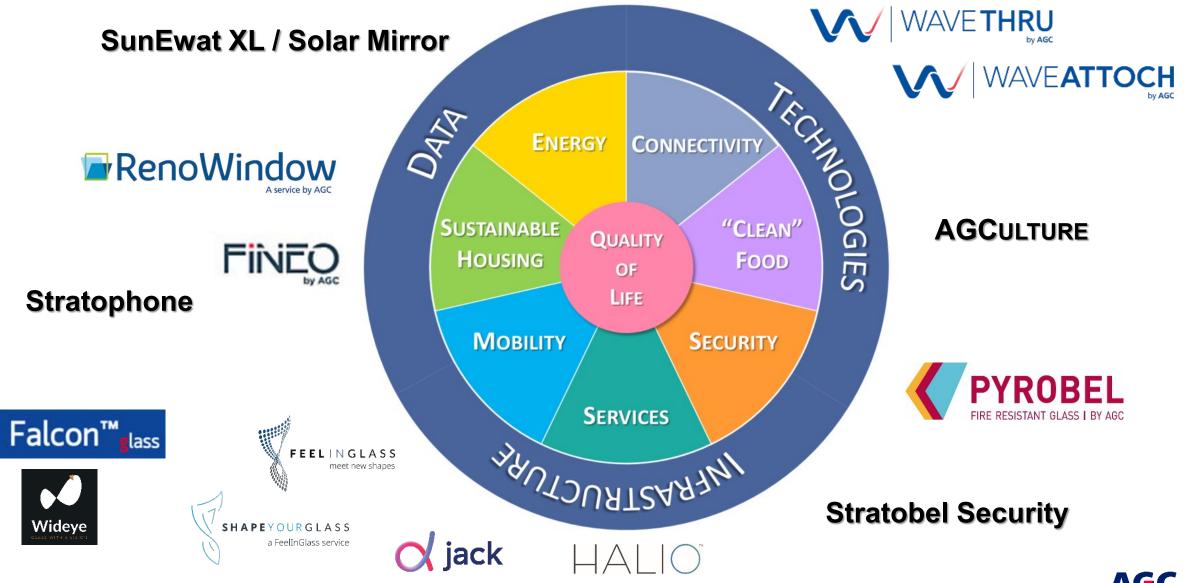


1 building out of 4 with AGC solutions



1 car out of 4 with AGC solutions

AGC's smart & sustainable solutions



Building skins for Smart & Sustainable Cities ...



Energy generation



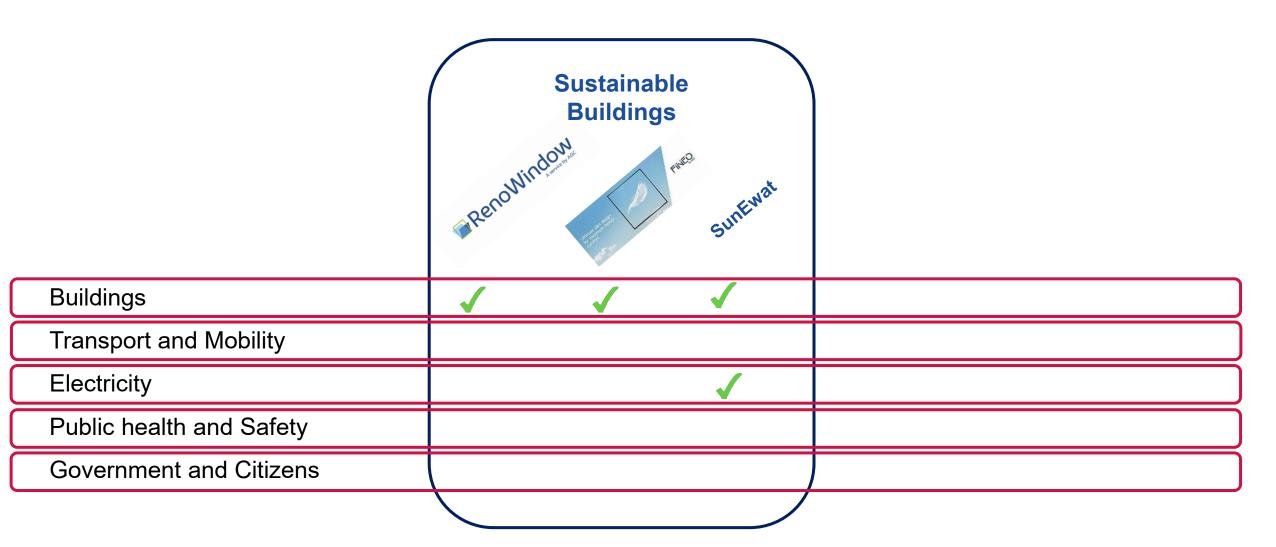
Energy savings





Matching needs and solutions





RenoWindow – One-stop-shop customized re-glazing

Re-glazing Services





Unstructured offer in case of re-glazing need (while keeping the existing frame)



One-stop-shop re-glazing services to get your glazing future-proof



- Energy, CO2 savings
- Limited investment cost (only re-glazing)
- Reduced environmental impact (frame is kept, glass is recycled)





- Better comfort (thermal, safety, acoustic, connectivity)
- Speed of installation (1 day)
- Kept aesthetics of the building
- Local employment/training to execute reglazing



Website guidance of the customer



Safety option, protect people and belongings.



Solar control option, ensure freshss, even in sunny daysne.



Thermal insulation, increase your comfort and reduce your energy bill.



Acoustic option, ensure calm and serenity, even in a noisy environment.



Connectivity option, access communication network.



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Fineo – Ultimate slim design for maximum indoor comfort

Vacuum insulating glazing



Challenge

Difficulty to integrate high quality insulating glass without increasing thickness and weight, and thus without replacing frame (e.g. classified building)

Solution

Thin vacuum glazing matching triple-glazing performance (combined with RenoWindow for the re-glazing service)

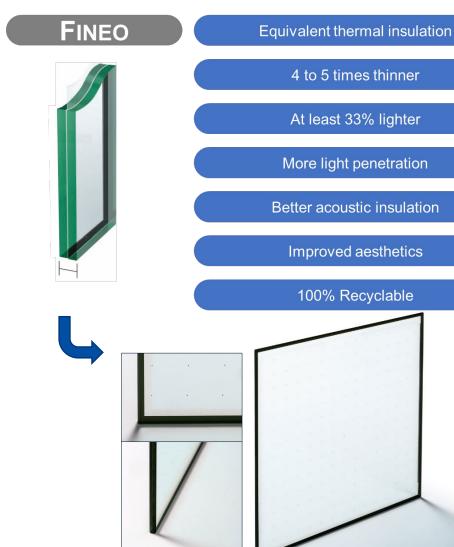




- Energy, CO2 savings
- Limited investment cost (only re-glazing), higher return on investment
- Reduced environmental impact (frame is kept)



- Better comfort (thermal, acoustic, safety)
- Speed of installation (1 day)
- Kept aesthetics of the building



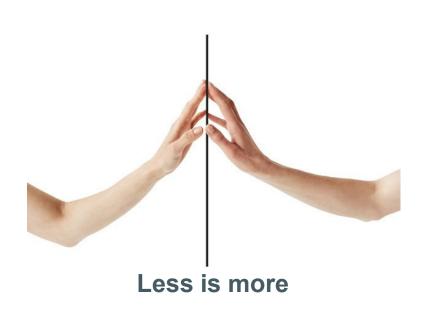






with Fineo (vacuum insulating glazing) ...

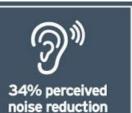


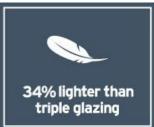
























- Renovationw/ or w/o sash replacement
- Heritage building









SunEwat – Energy generating façade without compromise

Energy Generation Façade

SunEwat

Challenge

Generating energy to meet the most stringent Zero-Energy-Building requirements

Solution

Benefit

Transforming the glass façade or skylight into an aesthetically integrated smart energy source

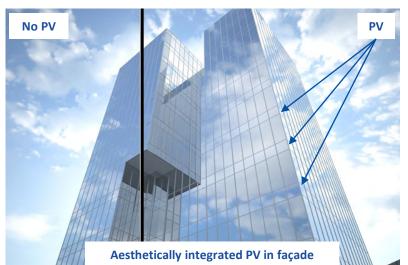


- Incremental cost to transform a passive façade into an active façade < 1€/Wp
- Payback time similar (slightly higher) than for PV on rooftop → complementary solution to reach ZEB requirements



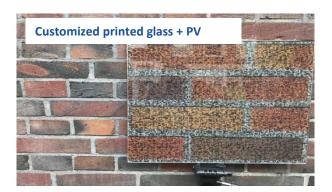
- No compromise with the aestetics of the building
- No compromise with the properties of the glazing (comfort, safety, ...)







Monaco – 406 m² - 35 kWp

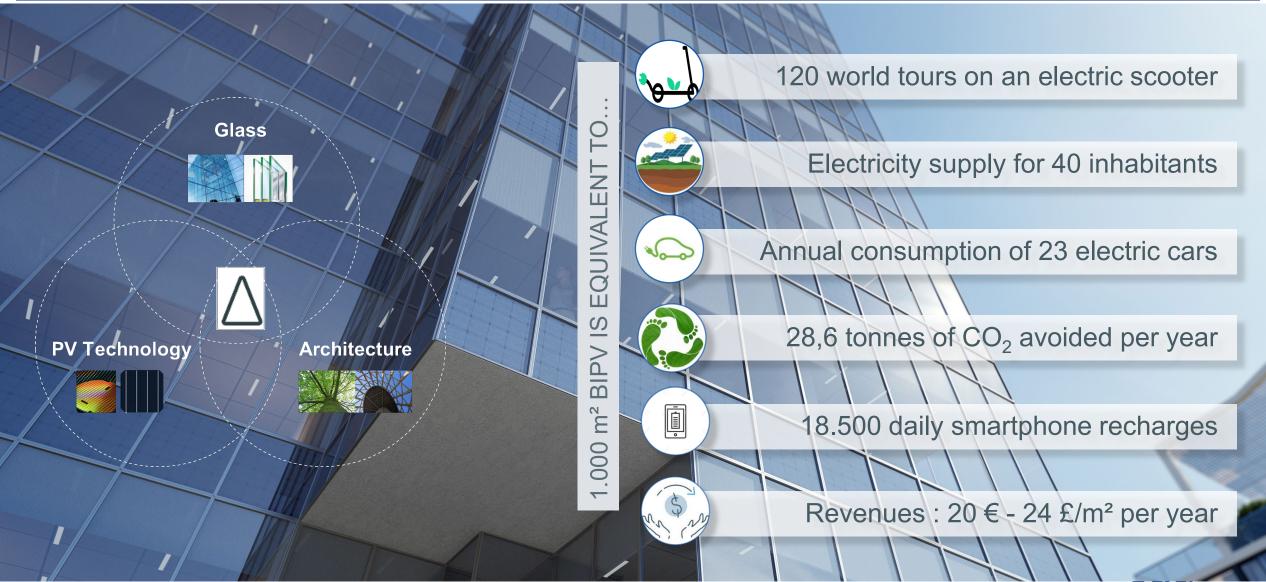




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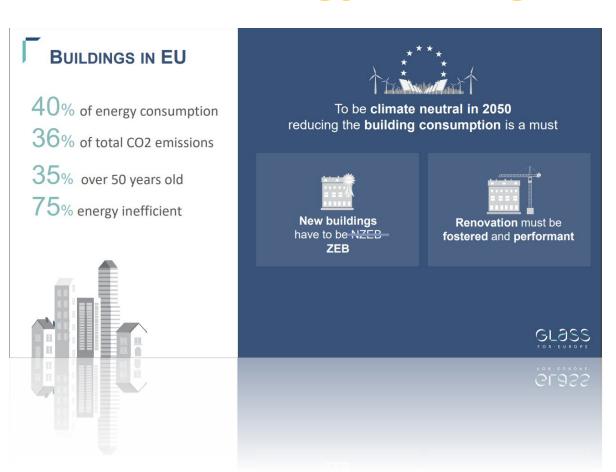
SunEwat = building integrated PV





Conclusion

Energy savings – passive solutions ...



"Traditional" domain of innovation for the industry High performance glazing development through

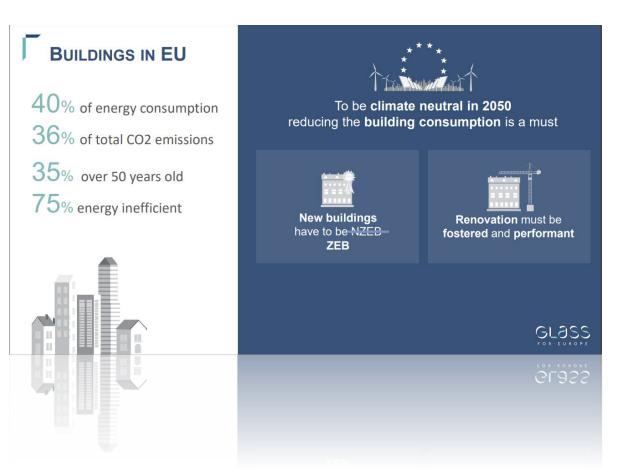
- Passive solutions (coatings, double, triple, VIG, films, ...)
- Active solutions (e.g. electrochromic) connected to BMS







... and active solutions



"Traditional" domain of innovation for the industry High performance glazing development through

- Passive solutions (coatings, double, triple, VIG, films, ...)
- Active solutions (e.g. electrochromic) connected to BMS





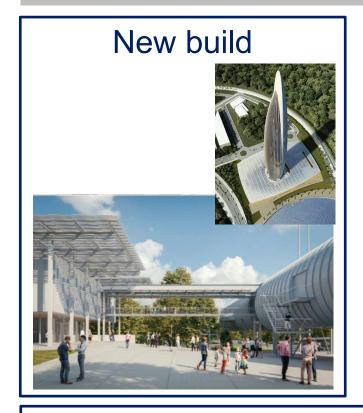


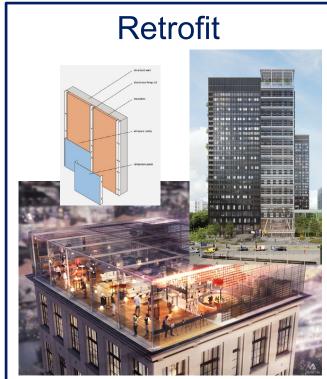
Energy Generation

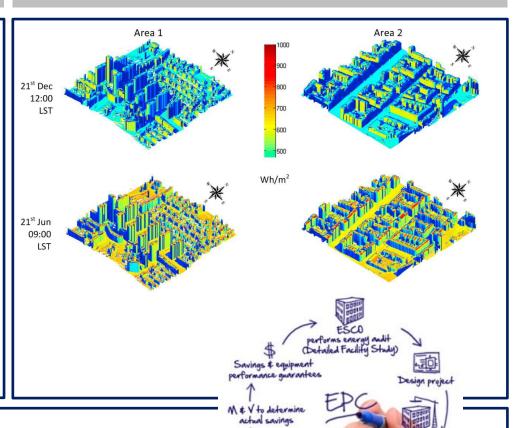


Building level

City / District Level







Energy Performance Contract



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