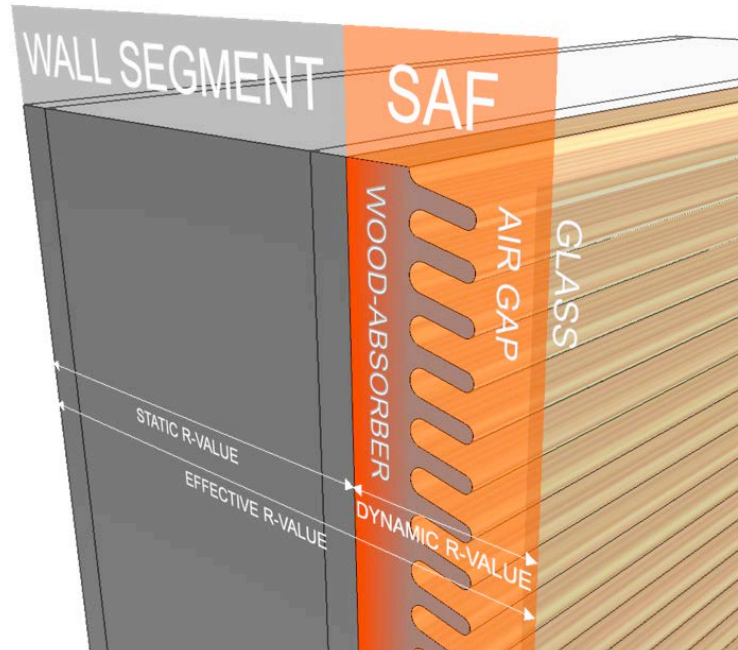




Solar Activated Facade

S.A.F.

SAF - SOLAR ACTIVATED FAÇADE



The core technology consists of:

A **SOLID MEDIUM** that can selectively capture and store solar energy

→ Heat sink

An **AIR GAP** that can vent or trap the energy gain of the medium

→ Regulate

A **TRANSPARENT COVER** that lets solar energy pass through while protecting the core from the elements

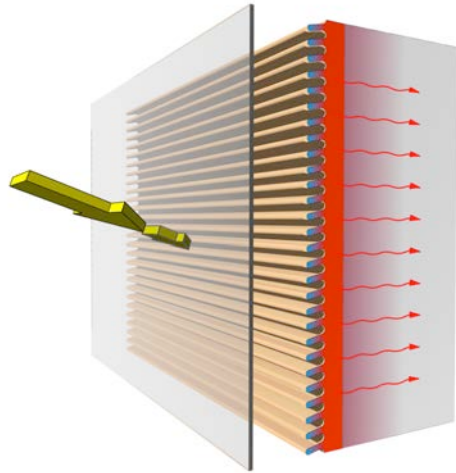
→ Protect and Retain

SAF is mounted on an existing wall structure with minimal insulation!

SAF – SEASONAL PERFORMANCE

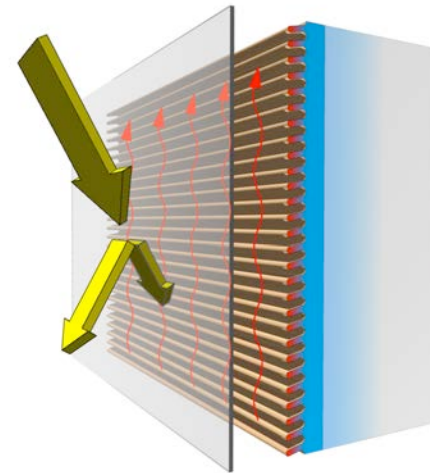
Winter Heating: Maximum solar absorption through increased surface

Summer Cooling: Increased reflection, minimal absorption (self-shading) and venting



SELF REGULATING!

LOW TECH!



The unique geometry affects the solar impact on the system depending on the seasonal incidence angle!

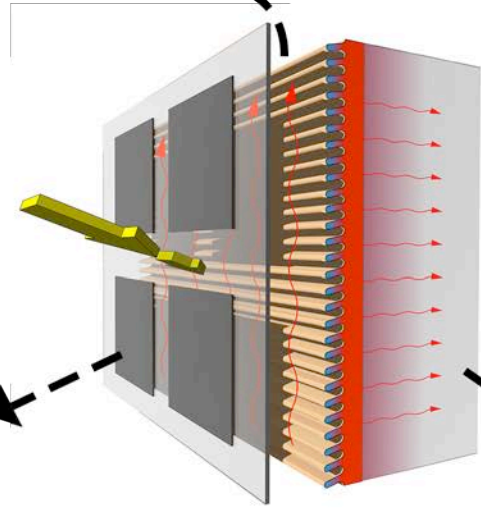
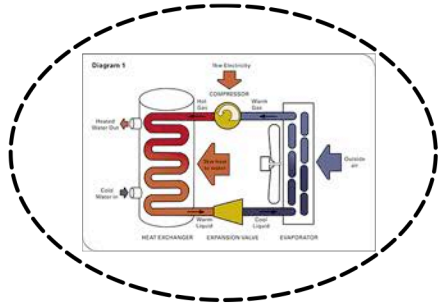
SAF e³ – ENERGY INDEPENDENCE

→ Generate all your energy requirements with a single system!

supply warm air to your heat pump

create thermal buffer to reduce heat load

supply power to your heat pump, electric vehicle or your electronics











Norman Foster Solar Prize



hubzelg











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