









Our Global Sustainability statement



"Our company's story began back in 1888 in the Netherlands. We started out developing unusable land into places for people to live and establish communities. Our name comes from the ancient Greek 'Arcadia', a mythical utopia in which people live in harmony with nature. And our logo's icon is the fire salamander, an animal that thrives only in a well-balanced ecosystem.

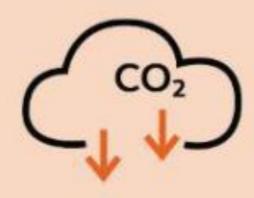
Given our origins and the fact that improving quality of life has always been at the heart of what we do, it is only natural that we would evolve into a company driven by our commitment to maximize our impact in creating a more sustainable world."

We're committed to...



By 2021

Carbon neutral target in our operations



Approximately 50%* reduction
in our carbon emissions from our
2019 benchmark
*aligned with a Science Based Target of 1.5C



Continue to lead

ESG risk rankings in our industry



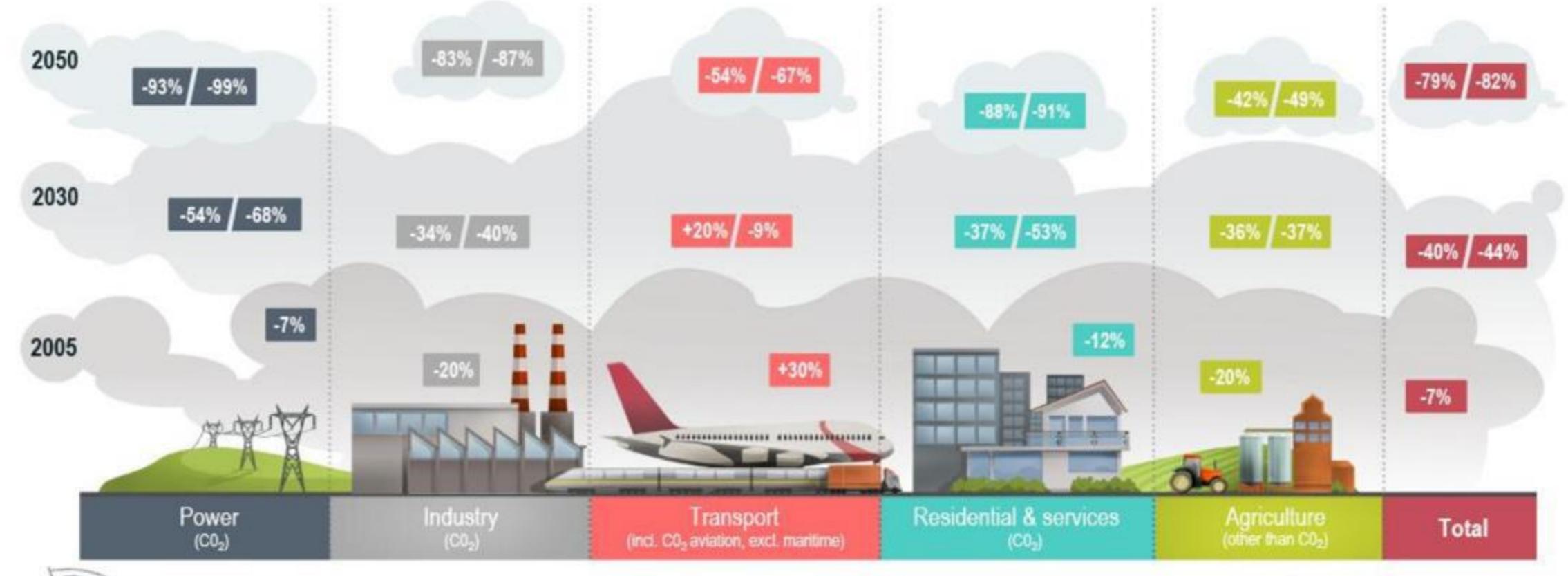
Sustainable Development Goals (SDGs)

No engagement in projects that have a net, long-term negative impact on the advancement of the SDGs | Measurable sustainable outcomes on all projects

Our overall pathway to reduce GHG: Race to Zero



- Reduction of scope 1 & 2 global greenhouse gas (GHG) emissions by 45% by 2025, from a 2019 base year
- Reduction of scope 3 (GHG) business travel related emissions by 35% by 2025, from a 2019 base year



Source: European Commission

ESG driven approach for all projects



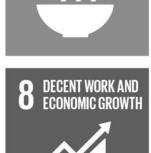
While sustainability speaks to caring for the environment, we look at it more holistically through sustainable and inclusive solutions with an ESG approach.

Our sustainability efforts are aligned with the United Nations Sustainable Development Goals (SDGs). These goals are designed to ensure development that meets people's needs without compromising the lives of future generations...



7 AFFORDABLE AND CLEAN ENERGY























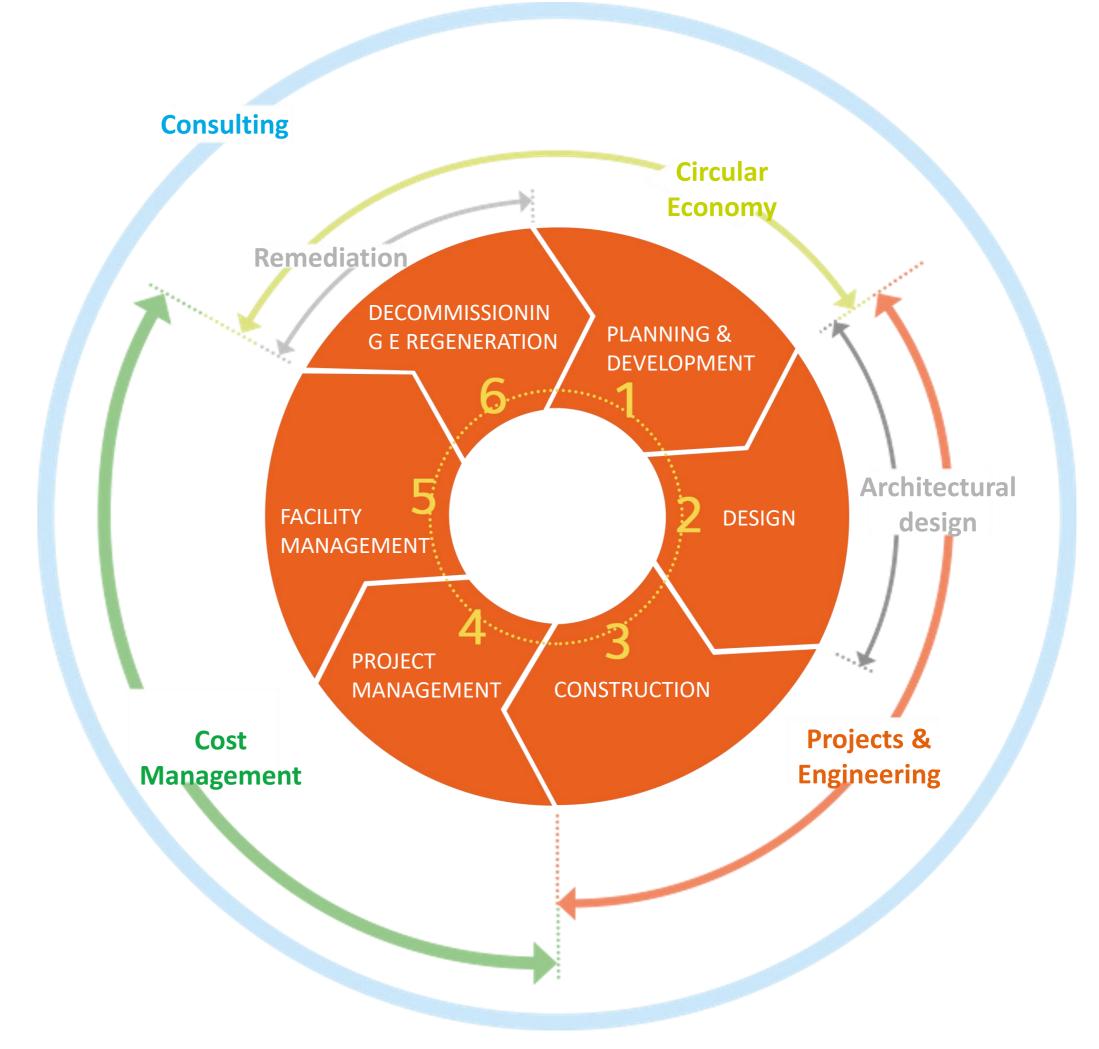
5 GENDER EQUALITY





6 CLEAN WATER AND SANITATION

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

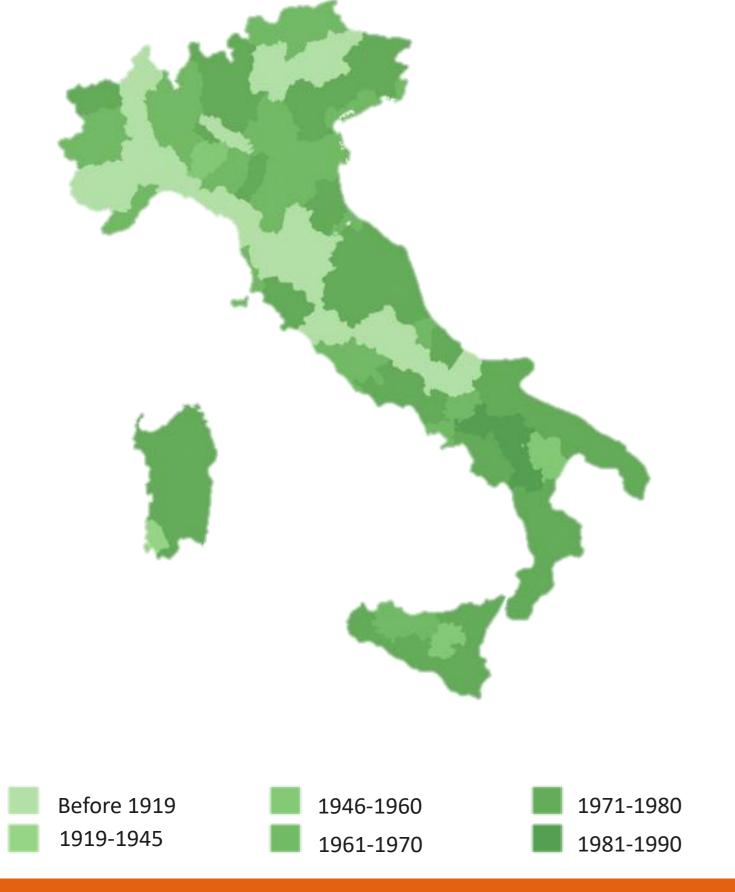


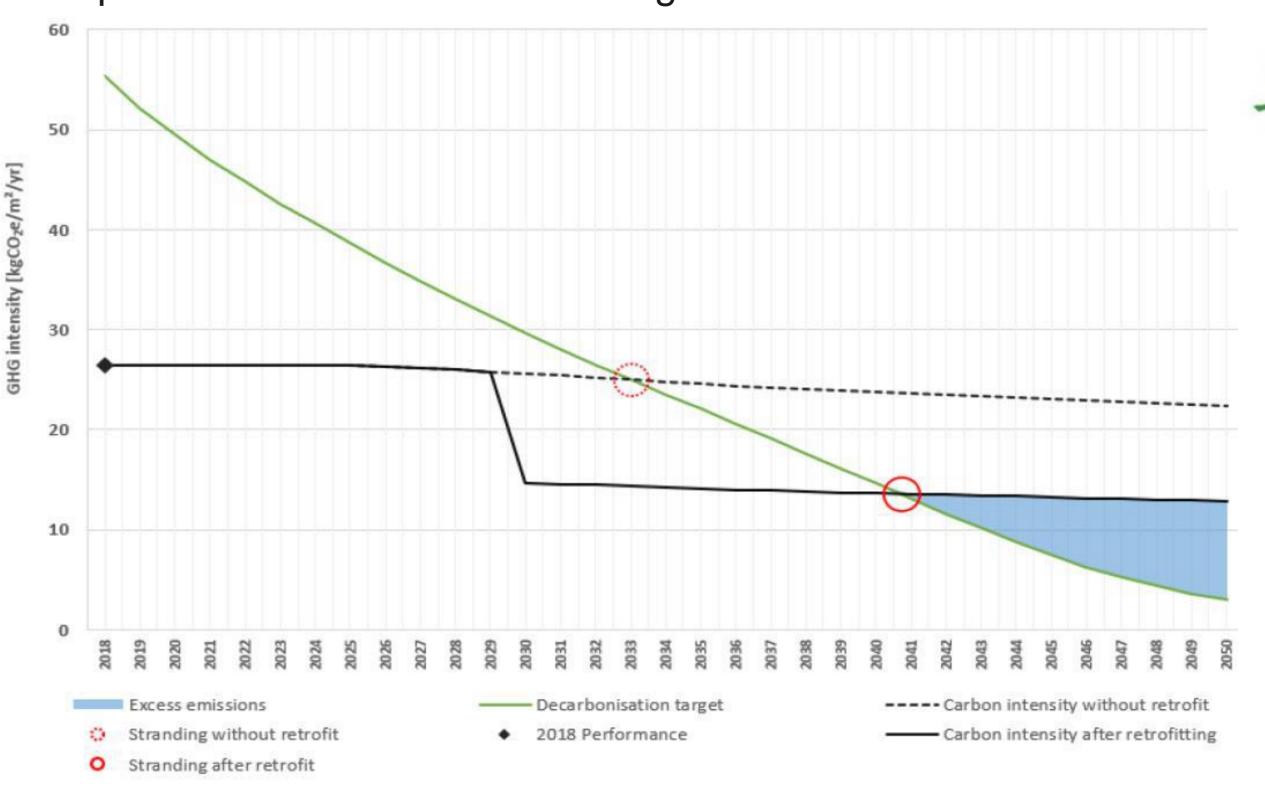
Energy matter the whole lifecycle

Energy efficiency regards the most the existing buildings



- Italy has got one of the biggest heritage in the world, with the most budlings build till the past century
- In the real estate market, it is therefore essential to measure energy performance, both for reporting and analytics, in order to predict the behavior of buildings performances with respect to the decarbonization target.



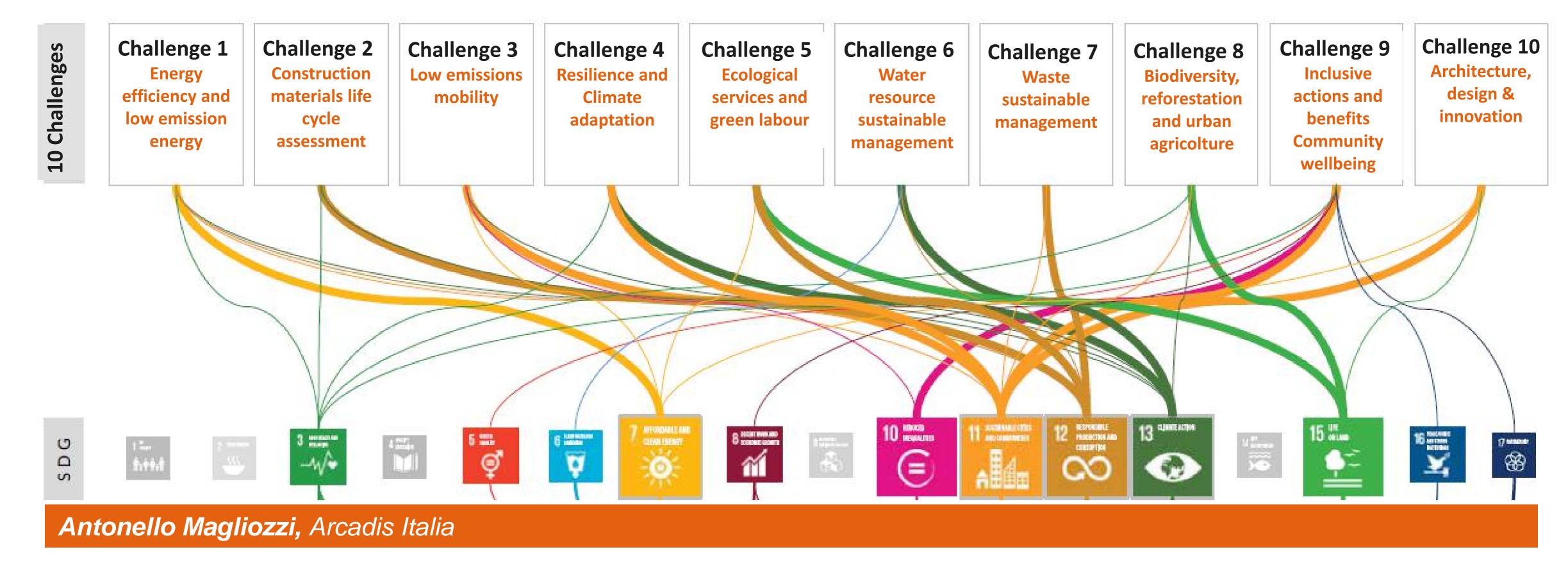


Measuring is essential to act in time

Maximizing our impact with a larger scale of interventions A holistic approach for urban regenerations



- To dial with the Paris commitments for the decarbonization path is essential a multidimensional approach.
- To maximaze our impact the best the energy & sustainability strategies needs to be scaled at the neighborhood / city level
- The C40 Reinventing Cities give pathways to dial with 10 challenges an effective holistic approach

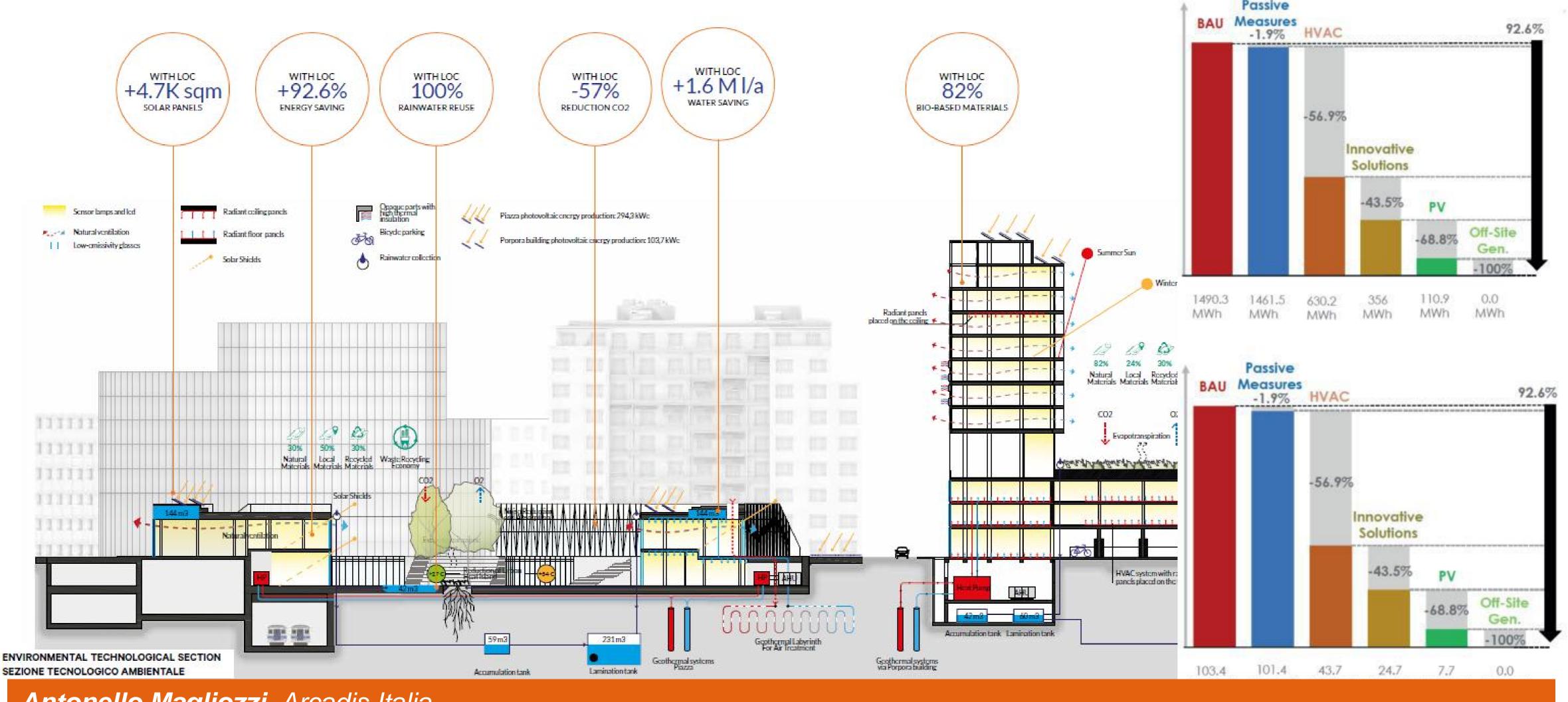


Reinventing Cities – Piazzale Loreto: design as a process



Antonello Magliozzi, Arcadis Italia

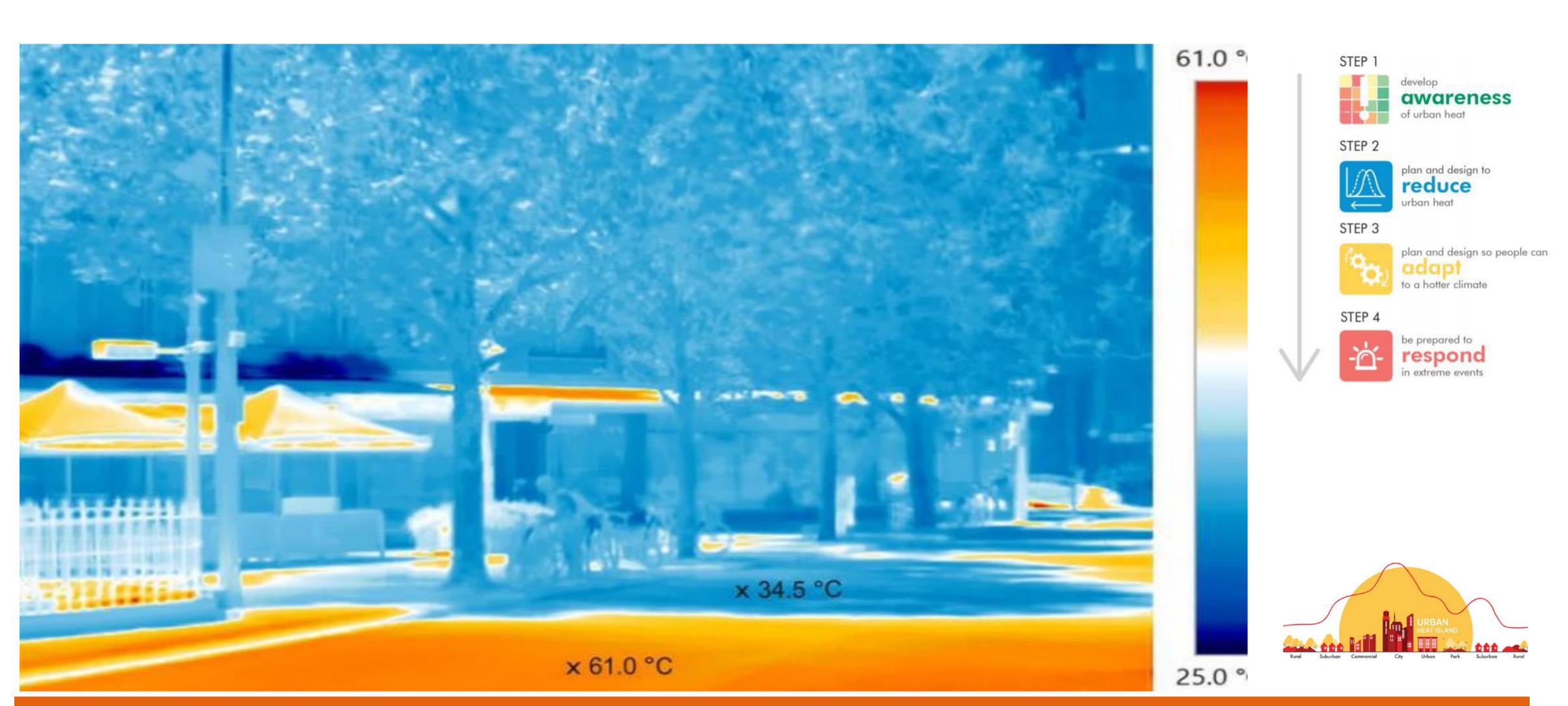
Energy challenge: carbon footprint reduction with zero energy strategies (smart district)



Antonello Magliozzi, Arcadis Italia

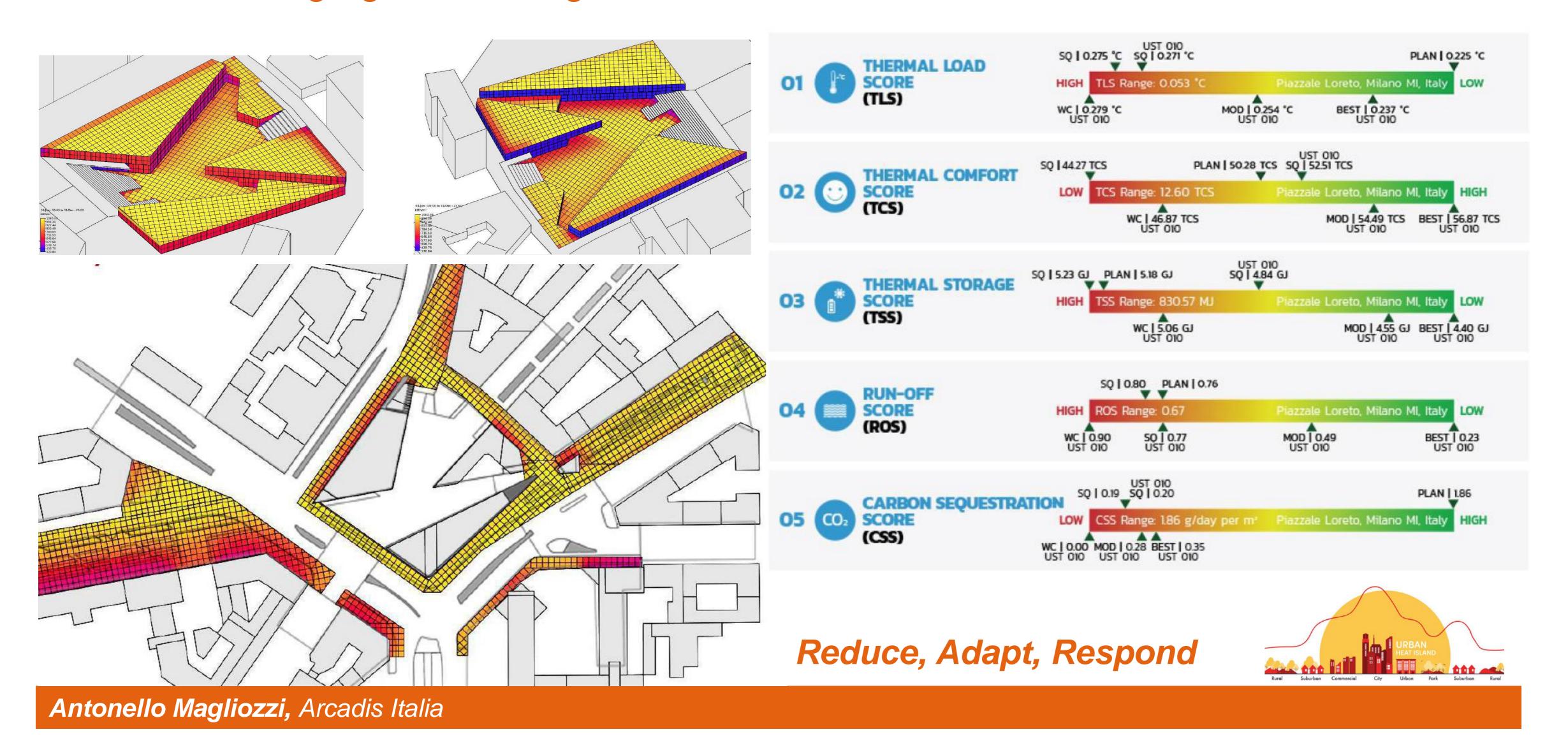


Resilience challenge: global warming & heat island effect at the center of the choices



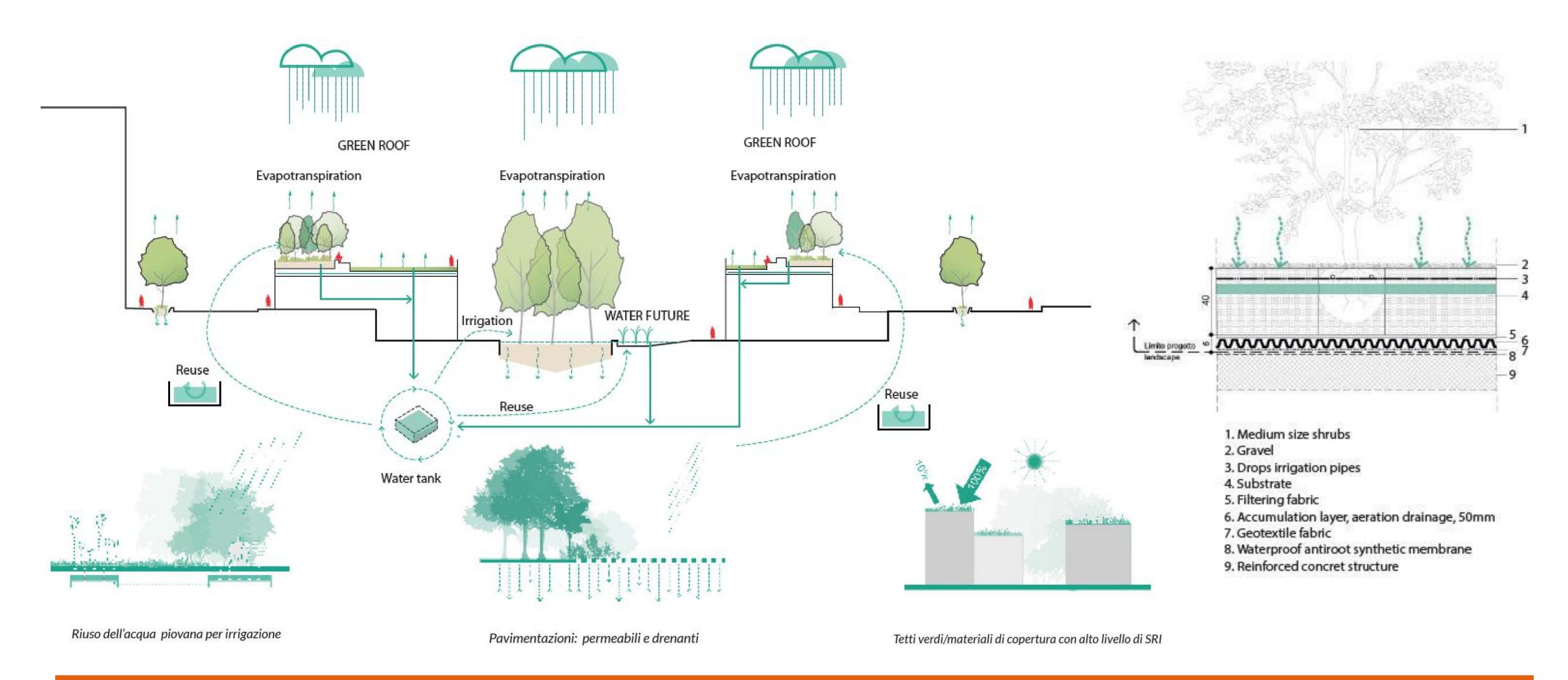


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ARCADIS

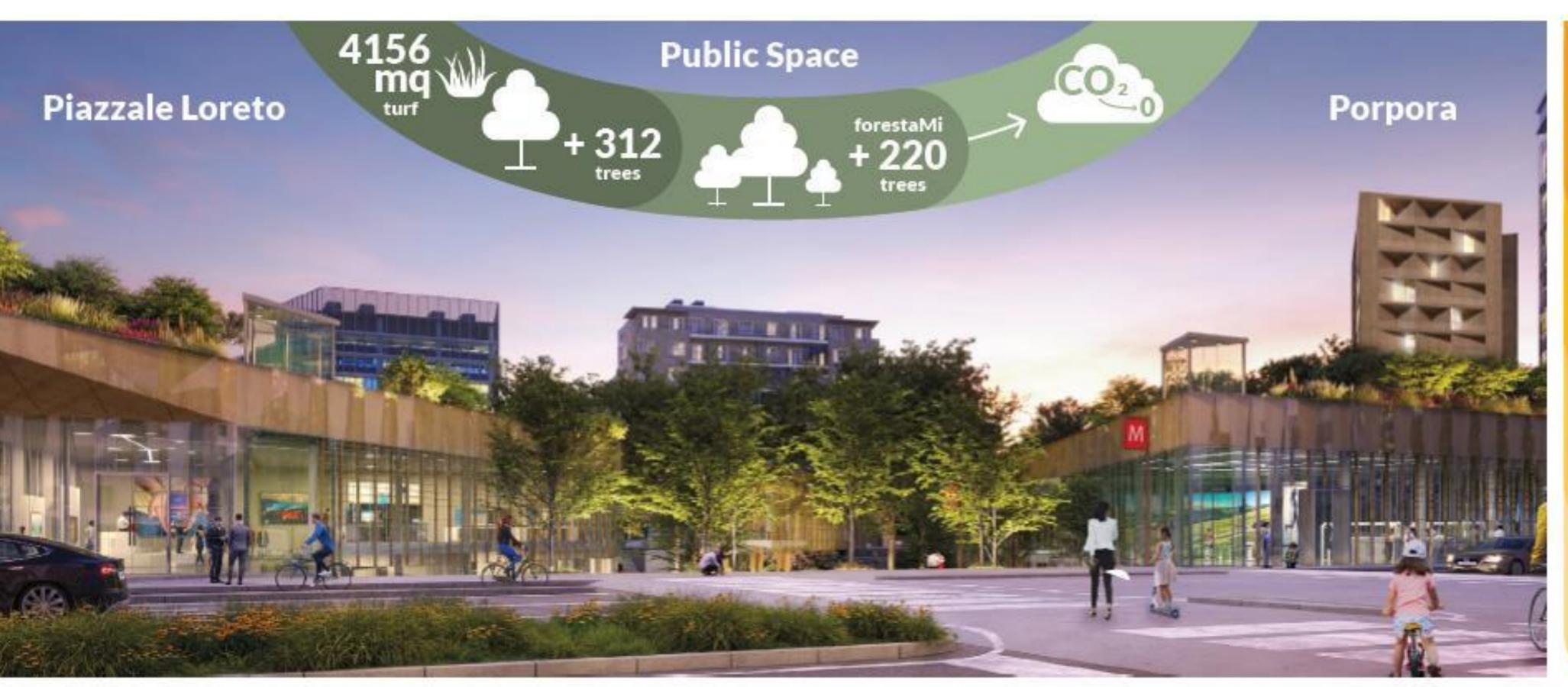
Resilience challenge: water as urban resource



ARCADIS

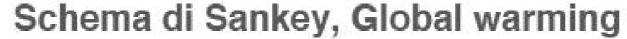
Materials challenge: Carbon footprint reduction (LCA approach)

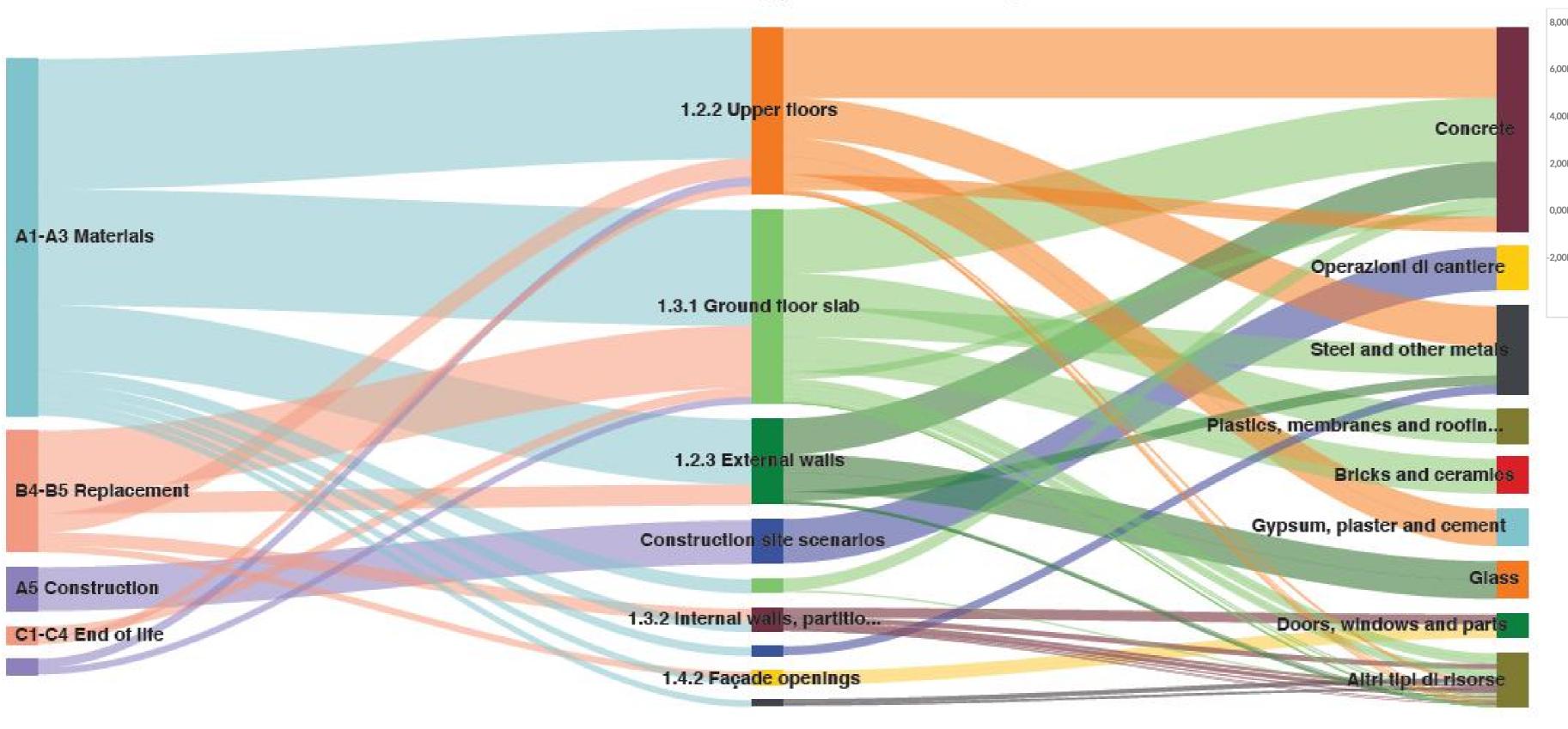


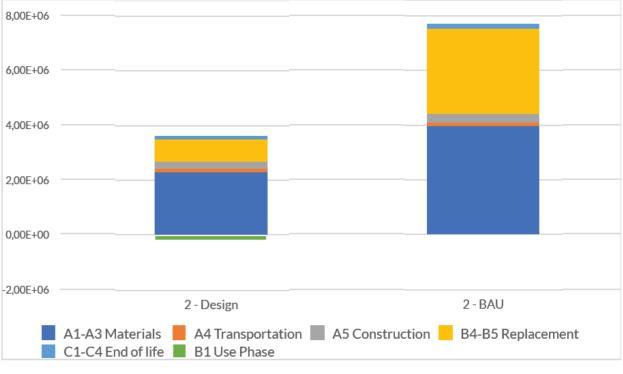












30.7tCO2e/anno

Impronta di carbonio del progetto

82%

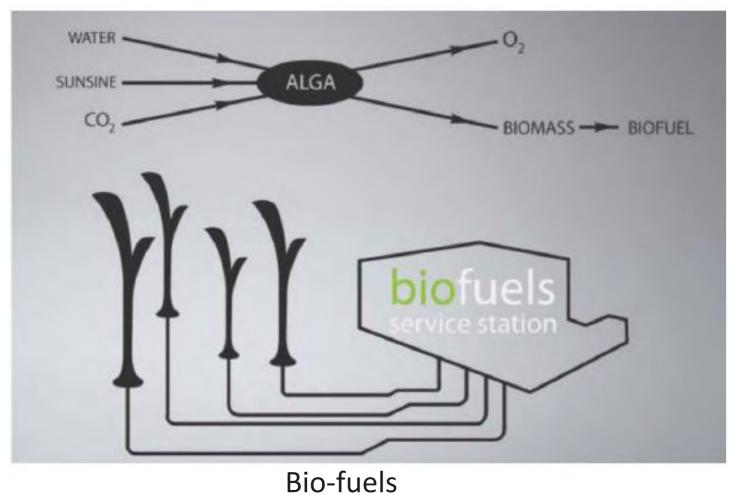
materiali scelti su base volume è bio-based ovvero di origine naturale.

57%

Riduzione tonnellate di CO2e rispetto al BAU



Materials challenge: Innovation strategies for energy, carbon & pollution reduction



How does the lamp work
At the upper part of the lamp
(pipel) a ventilator is sucking
the smog inside - which
streams into the alga liquid.
This liquid is being circulated
in a spiral system thanks to a
pump, which helps the alga
absorbing the CO2 better.
In the other pipe (pipe2) this
progress stops.
If we leave the liquid in a
standing position it hands
down the oxigen.
Thanks to the frequency of
the street lamps the air cleaning is more effective.

Biolamp: Co2-O2 converter

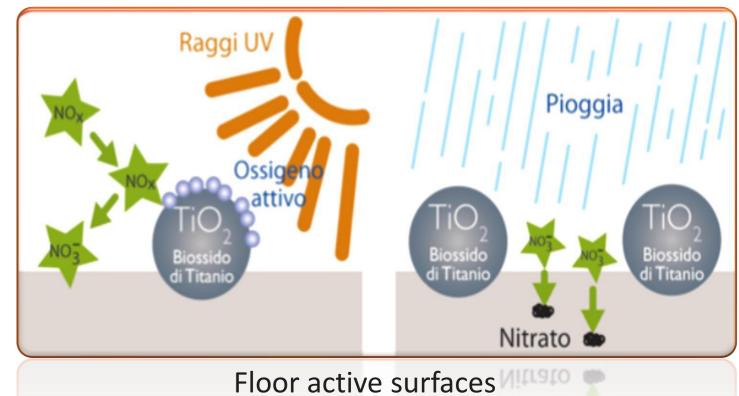
Organic pollutant

Organic pollutant CO_2 CO_2 CO_2 CO_2 CO_2 CO_3 CO_4 CO_2 CO_2 CO_3 CO_4 CO_4 CO_4 CO_4 CO_4 CO_5 CO_5

Glass active surfaces







Antonello Magliozzi, Arcadis Italia

Mosaico digitale



Project challenge: the numbers measure



Antonello Magliozzi, Arcadis Italia









Arcadis.

Improving quality of life.

Thank you!