

# SB58 / COP27 Climate Change

An Urgent Issue That Has Been Left Unresolved For a Long Time

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COP14

“The world is waiting anxiously for a durable and economically feasible solution to the pressing issue of climate change”,  
former UN Secretary-General Ban Ki-moon

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At COP21, nearly 200 countries signed the Paris Agreement, but no concrete action yet

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IPCC AR6: “A code red for humanity”

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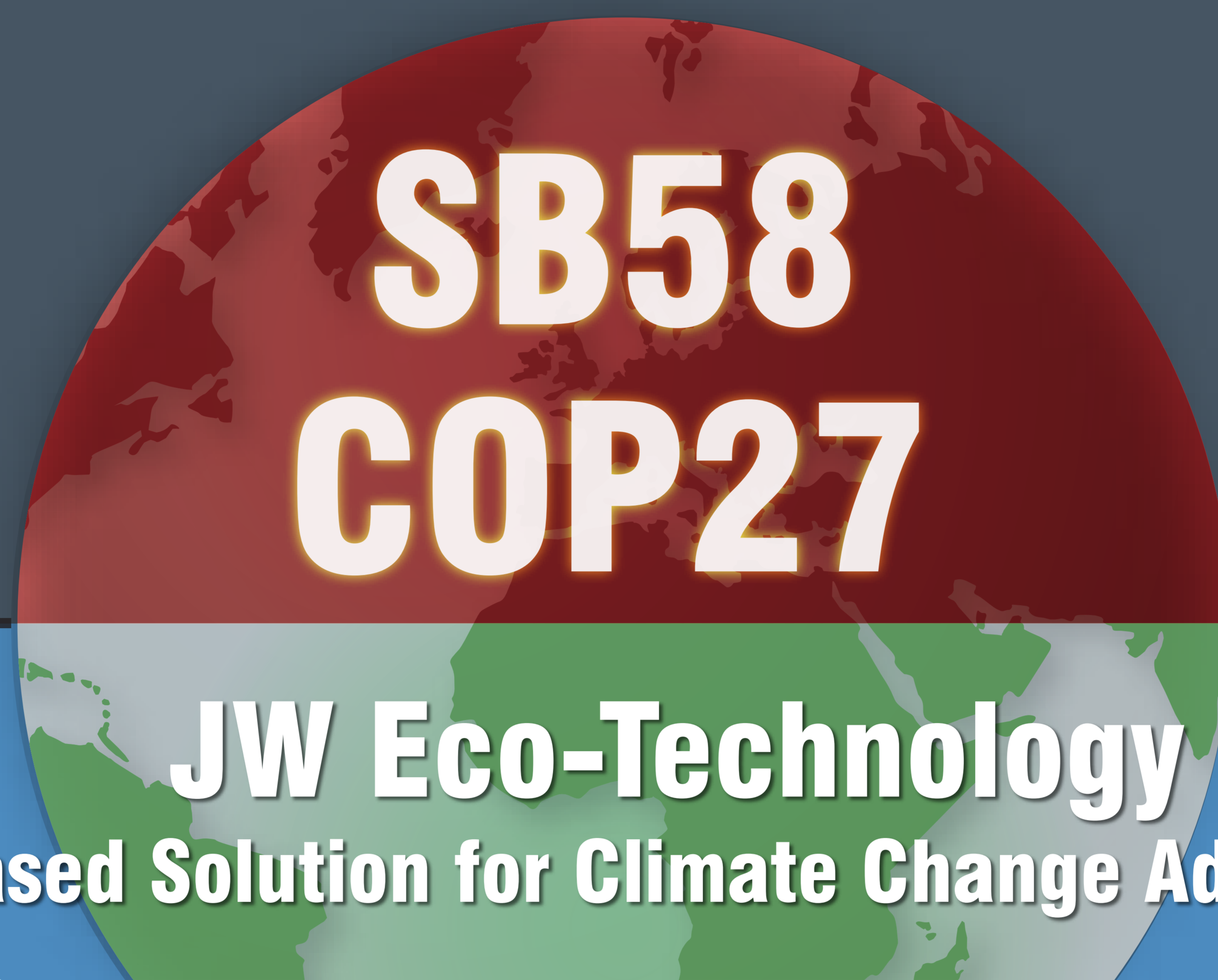
“It's irritating because they only talk and don't act”  
Queen Elizabeth II @COP26

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“The world has entered a climate emergency”, UNFCCC Executive Secretary Patricia Espinosa

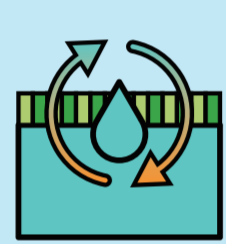
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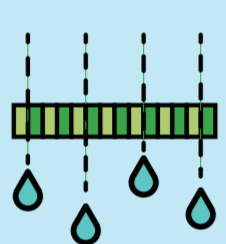
A Holistic Nature-based Solution for Climate Change Adaptation and Mitigation

## Adaptation

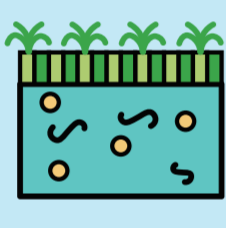
Solutions to address risks caused by climate change impacts



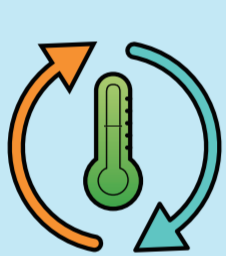
**Water resources:** Roads become water reservoirs



**Disaster prevention:** High water retention and water permeability > 12500mm/hr



**Ecology and health:** Roads become wetlands

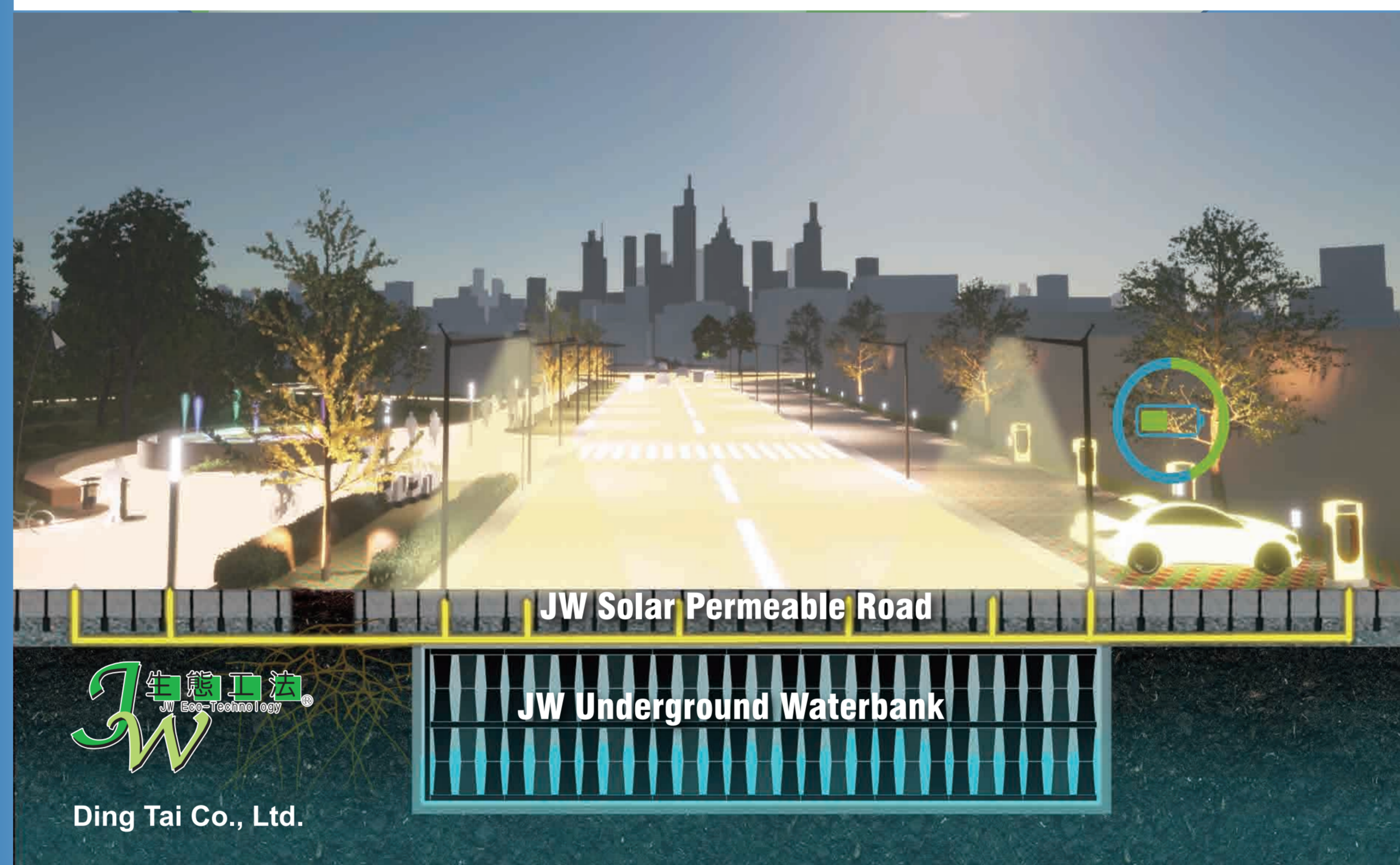


**Heat island mediation:** Can be more than 20°C cooler than the asphalt roads during summer and can melt snow during winter



**Food:** Create urban farmlands

## JW Eco-Smart Sponge City



Website for more info

## Mitigation

Solutions to reduce carbon emissions that contribute to climate change



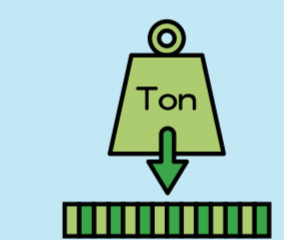
**Clean Energy:** Roads become green power plants



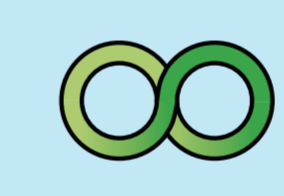
**Carbon capture and decontamination:** Captures at least 70% of CO<sub>2</sub> and pollutants within 20 minutes



**Low-carbon method:** Reduce up to 83% carbon emissions



**Safety:** 510 kgf/cm<sup>2</sup> or more for high load-bearing



**Sustainability:** Lifespan up to 30 years and above

## COP27 theme: Adaptation, Decarbonization, Education

### 2021 Initiative:

“Use JW Eco-Technology to Create City Water Banks for Converting Stormwater Into Resources”



### Highly scalable:

Extensive application, education and training, and participation of all people.



### Localization:

Urban ecology restoration, desert oasis economy, island adaptation.

### Practical example:

Teachers and students of Li-Ming High School participated in the campus construction using JW Eco-Technology, which not only helped the school survive a rainstorm that poured **600mm of rain within 24 hours, but also turn 20,000 tons of storm water into water resources**, solving the problem of annual flooding and water shortage in the 60 years since the school was built.



### 2022 Initiative:

“Achieving 2050 Carbon Neutrality with JW Solar Permeable Road”

氣候緊急行動系列國際論壇之二：生  
Climate Emergency Action International Forum Series2: Life



Invitation of speakers for 2023 International Forum, themed “Genuity”, now in process



Association of Sustainable Ecological Engineering Development (ASEED)  
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