

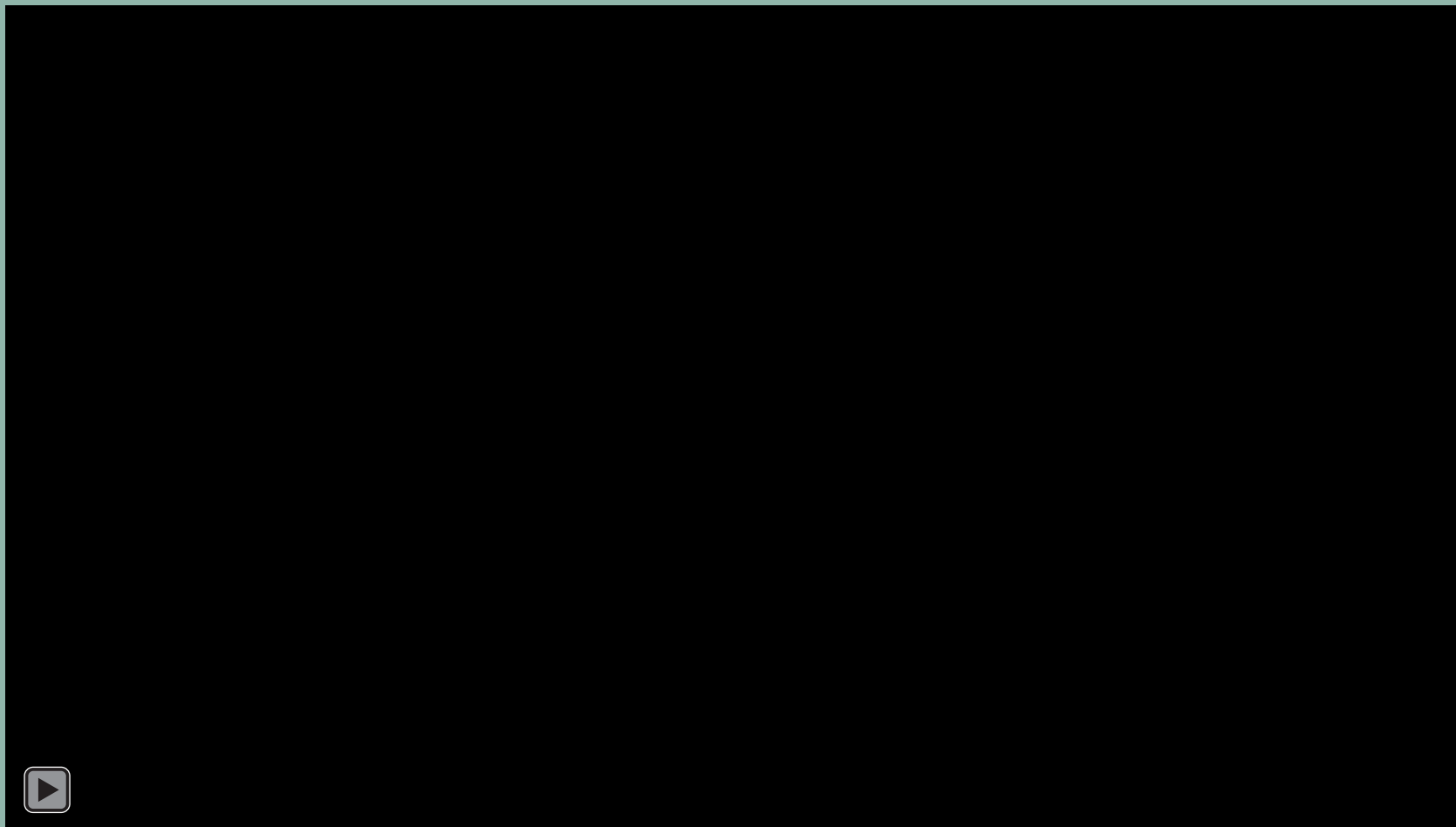


# EUROPEAN HACKATHON



# FUTURE Days

# EUROPEAN HACKATHON





## ECOROAD



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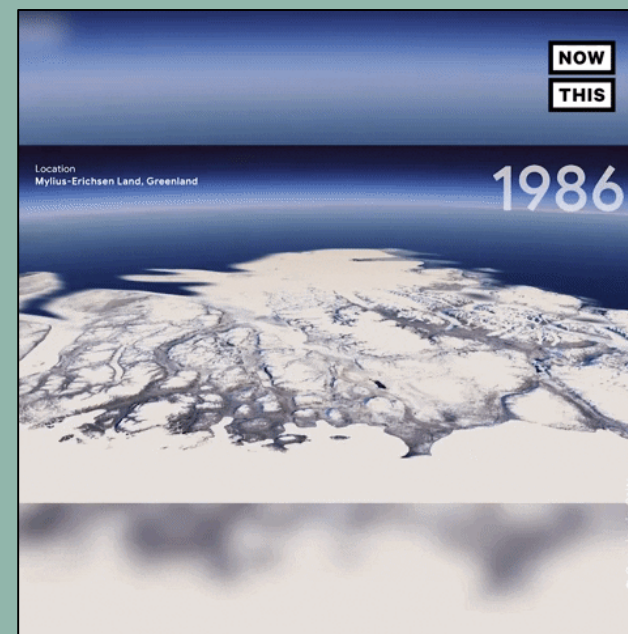
## ECOROAD CAN HELP SOLVE TWO PROBLEMS

- Flood



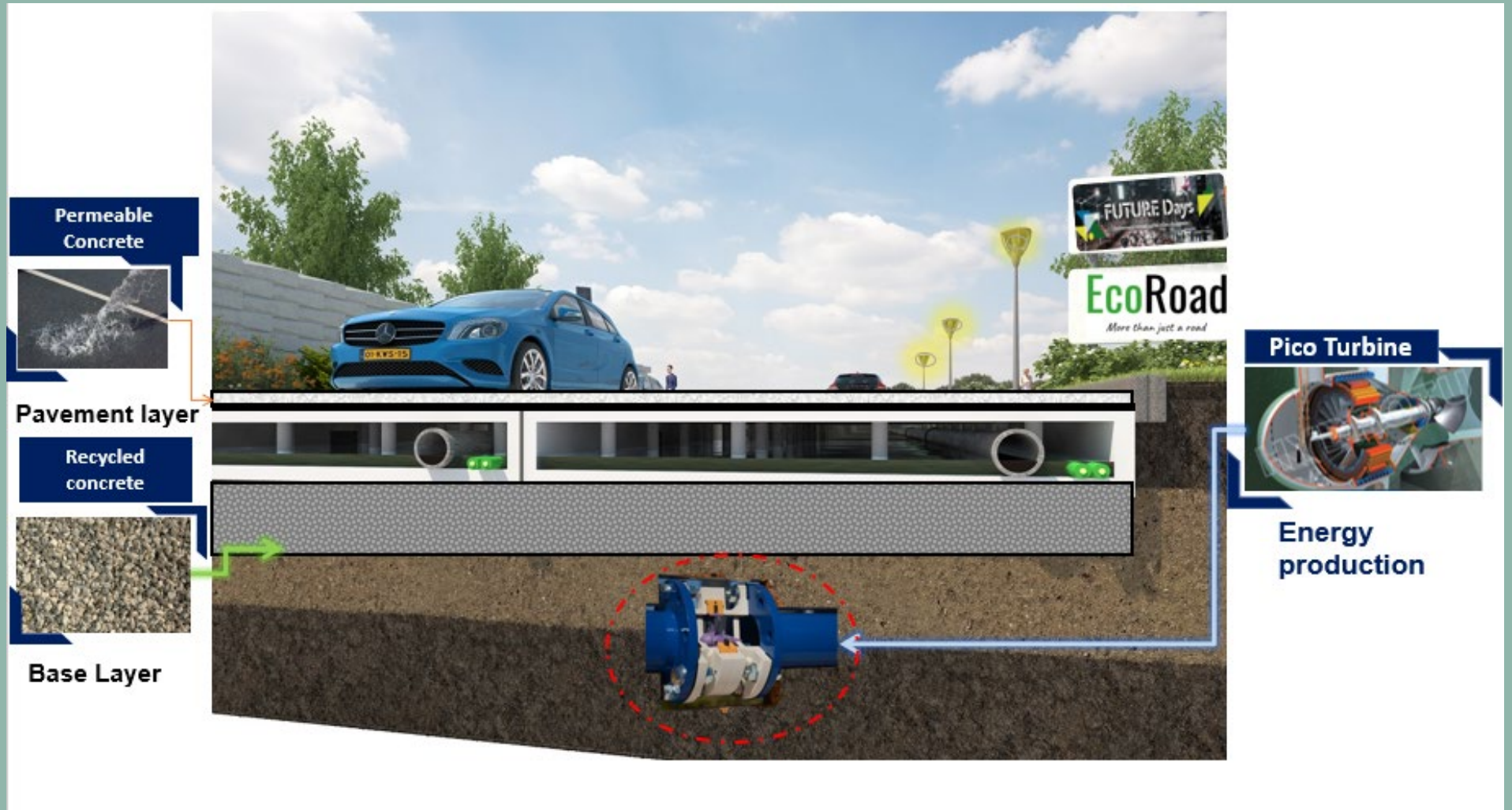
Source : google.com

- Climate change



Source : google.com

## OUR SOLUTION



## PLASTIC ROAD

- Actual plastic road modelisation



What it brings to the table ?

- Climate -adaptive
- Sustainable and circular
- Multi -purpose use of an available space
- Simple to built, manageand maintain

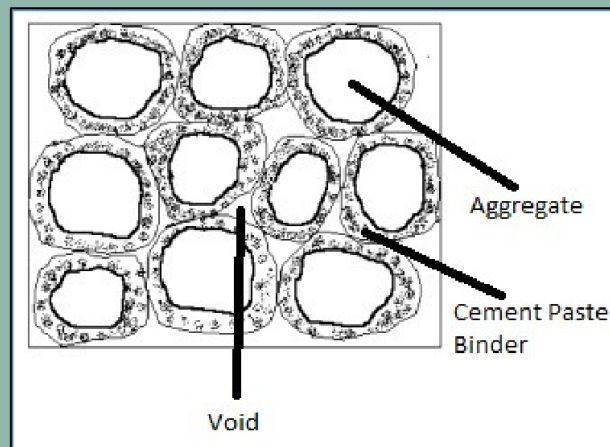
## POROUS CONCRETE

- Actual plastic road modelisation



Source : google.com

- Actual plastic road modelisation



Source : google.com

- Actual plastic road modelisation



Source : google.com

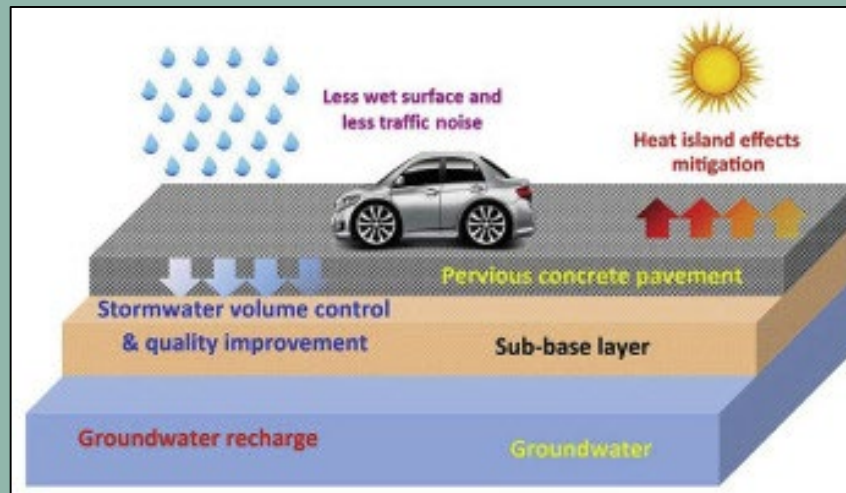


## Advantages

- Environmental benefits



- Environment -friendly land growth
- It prevents warm and polluted water from getting into streams



- Safety benefits

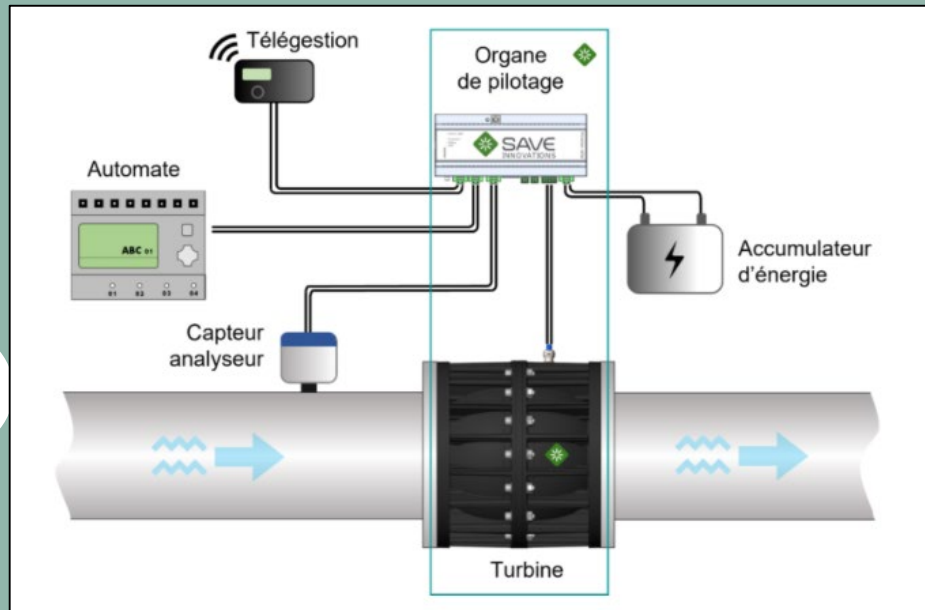


- It minimizes flash flooding and standing water
- Light reflectivity is greater than asphalt surfaces, therefore reduce the heat island effect (dried road)
- Glare from the wet pavement is virtually eliminated

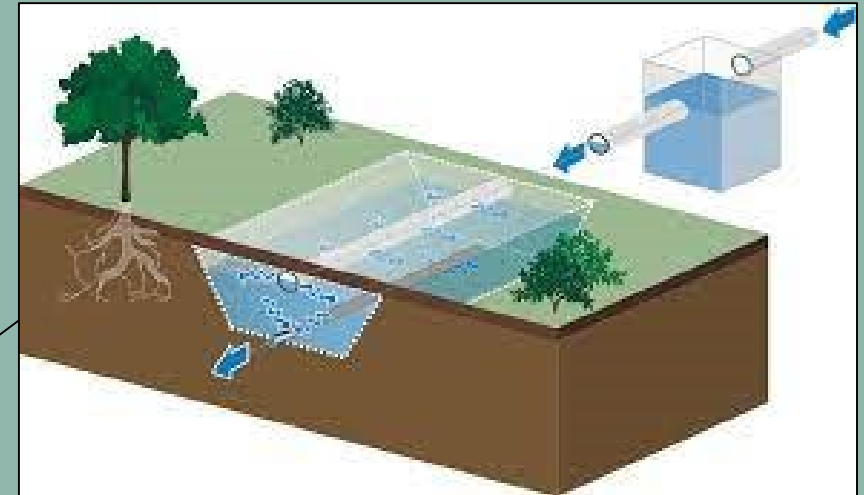


## WATER TRANSPORT AND ENERGY CONVERSION

- Energy conversion solution



- Rainwater collector solution



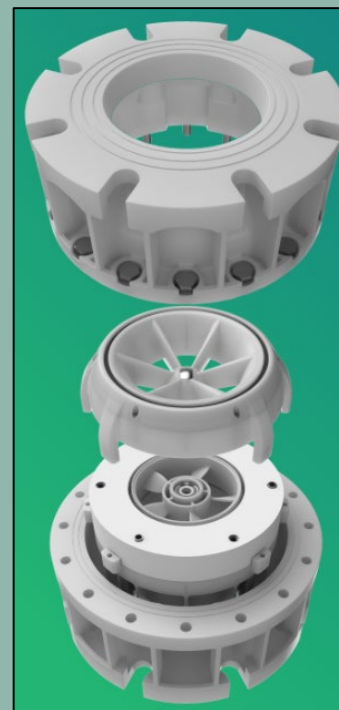
## Advantages & disadvantages



- Well known technique
- Hydro's efficiency over 80%
- Energy production
- Reducing carbon footprint
- Durable energy



- Partition required
- Maintenance





## ECONOMICS

Solution : ECO ROAD			
Cost draft			
Designation	U	Cost (m <sup>2</sup> )	
Prefabricated plastic elements	m <sup>2</sup>	1 722,00 €	
Recycled concrete	T	13,60 €	
Porous concrete	m <sup>2</sup>	47,00 €	
Hydraulic turbine	U	0,40 €	400€/U/km
Total		1 783,00 €	



Thank you !