

Environmental problem

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Problem



Environment Problem (Air Quality)

Root Causes of Air Pollution

- **Energy consumption** of digital devices
- Electronic **waste** generated by discarded digital devices
- Contribution to **unsustainable** production practices

Solution

Electronic Waste



Energy-efficient

Energy
Consumption



**Recycling
Refurbishing**

Unsustainability



**Design for sustainability
Life cycle assessment**

Solution



Idea: Outdoor air purifiers

Air purification towers are ineffective. Cars in many cities!

Outdoor air purifier with car!

Use Case

Driver S.

Just ride the car.

Trigger the Purification system.

Can Check the status

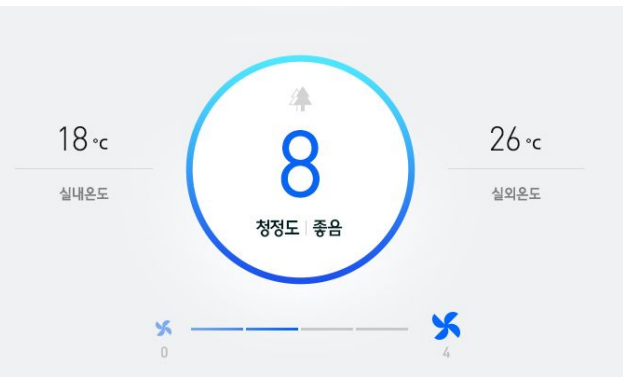
〈 수소전기차 미세먼지 저감 시연 〉	
시연 개요	시연 전후 필터 모습
<div>1</div> 	 〈시연 전〉
<div>2</div> 	 〈시연 후〉
<div>3</div> 	

Interaction

H: Trigger outdoor air purification via car navigation (Touch, Voice)

C: (Work) Runs the outdoor **air purification function**. The filter's suction action absorbs fine particles and releases them as clean air (Display) Shows air quality on the navigation screen

I: Navigation Screen(Vision), Voice Control, Touch



Thank you :)