











By Team:

FUSION



## AURIEL

Making walking safe and accessible for all.

• New York, NY

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Bachelor of Arts Computer Science

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Master of Science Human-Centered Design

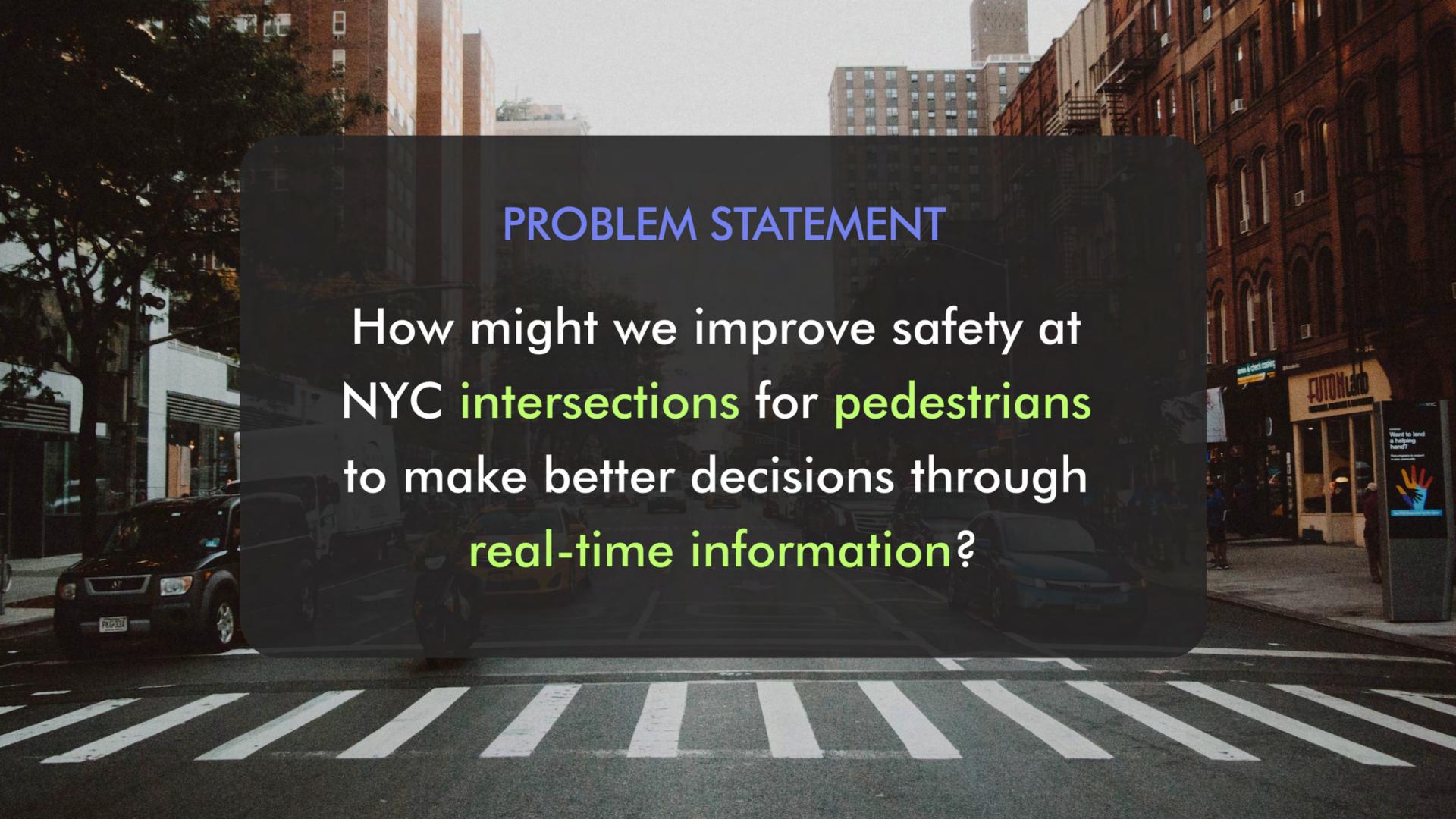
#### Aastha Bhadani

Master of Science Information Systems



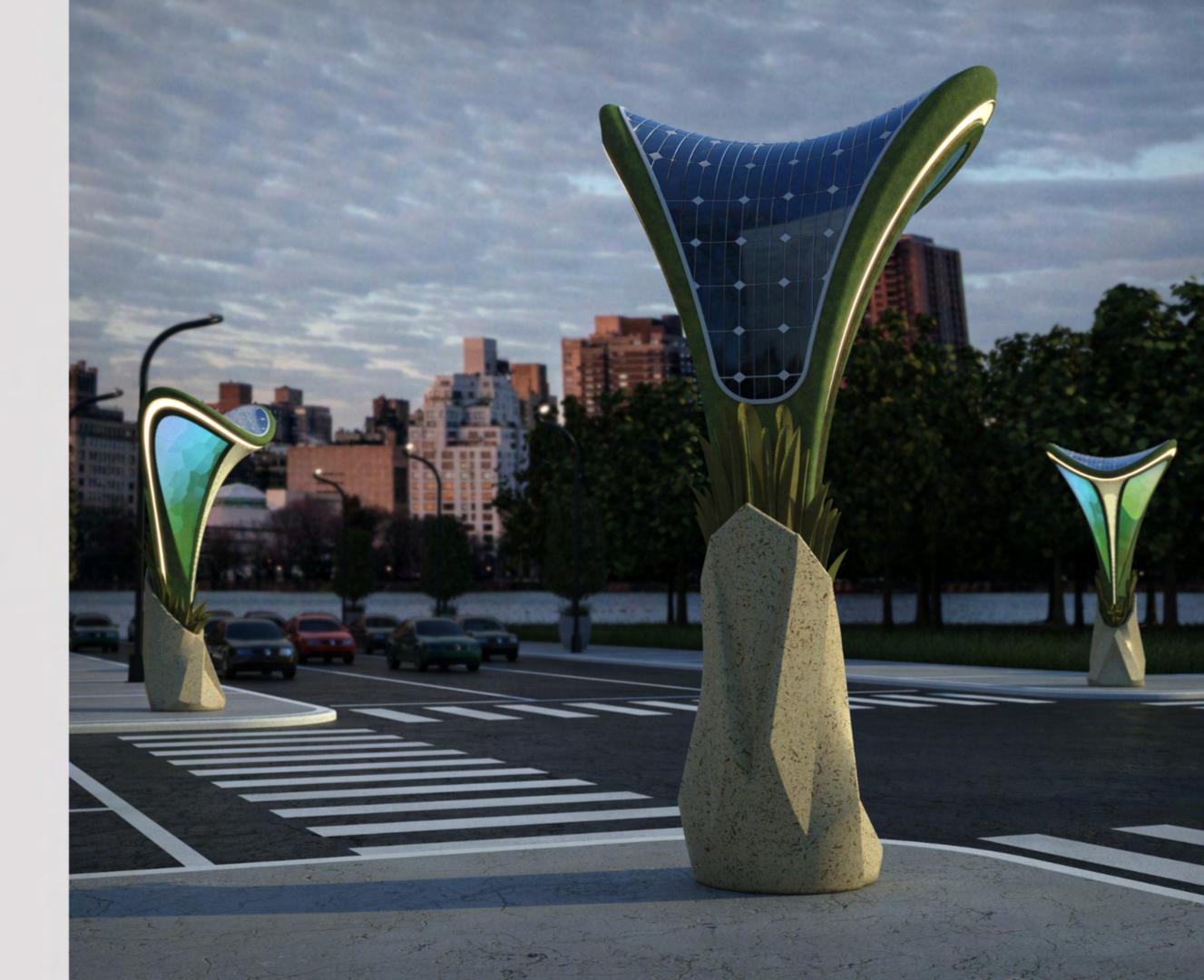






## AURIEL

Making walking safe and accessible for all.



## AURIEL



A network system to improve

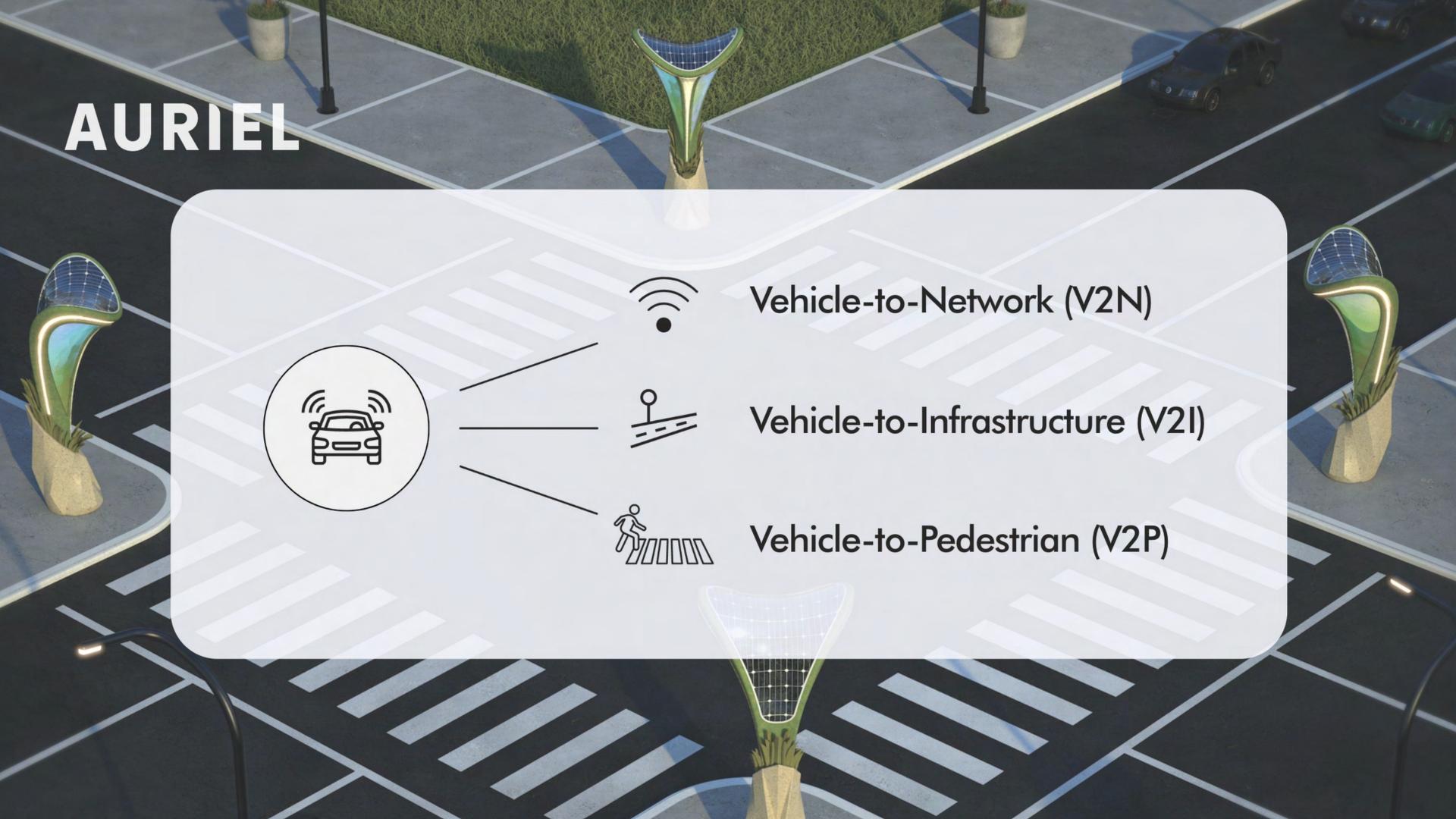


pedestrian safety at intersections

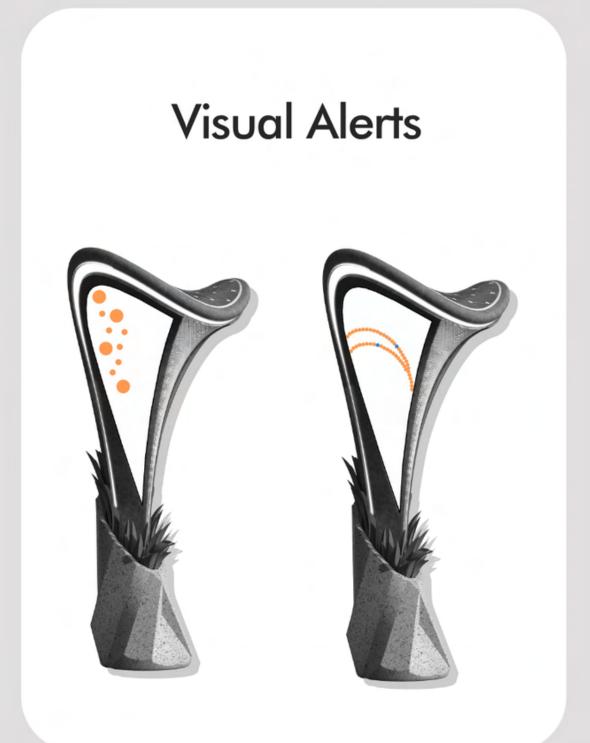


through visual and audio-based traffic alerts.





### HOW IT WORKS?





Shows traffic alerts
visually through its
screens and by audio
through on-spot speakers.

#### Alerts about:

- Turning vehicles
- High-speed vehicles
- Low-speed vehicles
- Shows if no threaths



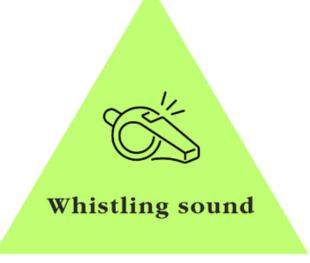
Low-speed vehicles

A few dots move **slowly** 

Visual alerts



Audio alerts





Low-speed vehicles

A few dots move **slowly** 



Audio alerts

Visual

alerts

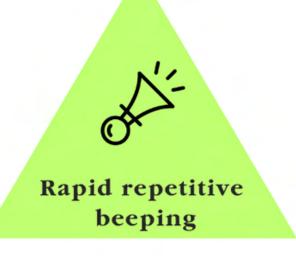




High-speed vehicles

Several dots move quickly







Low-speed vehicles

A few dots move **slowly** 



Audio alerts

Visual

alerts

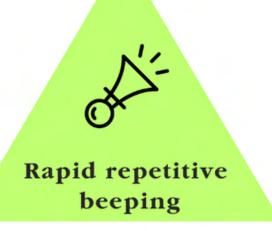




High-speed vehicles

Several dots move quickly







Turning vehicle

Curved line of dots





1

Low-speed vehicles

A few dots move **slowly** 



Audio alerts

Visual

alerts





High-speed vehicles

Several dots move quickly





Rapid repetitive beeping



**Turning vehicle** 

Curved line of dots





Clicking sound



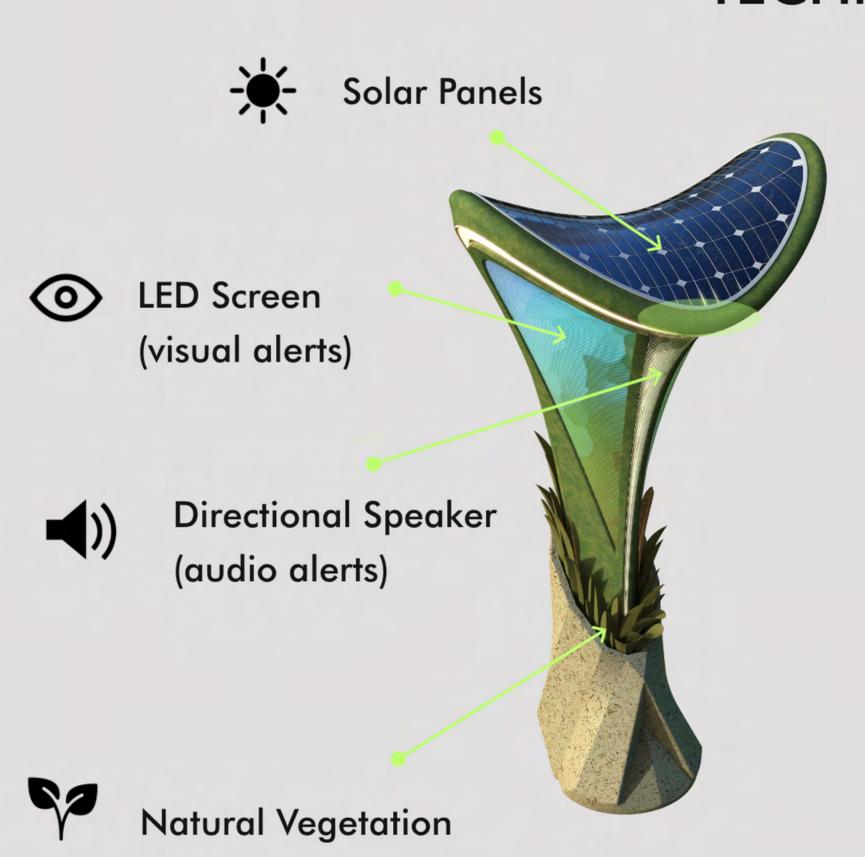
No threats

**Straight line** to show a clear path



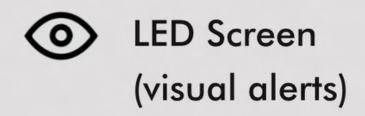


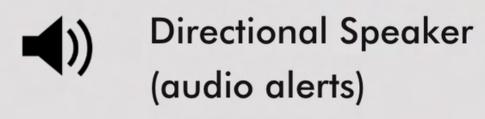
## **TECHNOLOGY**



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Hyger equipped sensors (speed, direction, velocity etc.)





H-cube imaging (movement detection)





Singular Light laser converter (communication transmitter)



Monitoring system (Auriel's "brains")



Remus (central intelligence)



# Thank You

Making walking safe and accessible for all.

