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# Contestable AI & Civic Co-Design

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[contestable.ai](https://contestable.ai)

Reinventing the City  
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Credit: Bloomberg

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# Problem

**Automated decision-making can harm people's basic human rights to autonomy and dignity.**

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# Solutions

**Ex-ante:** Participatory &  
value-sensitive design

**Ex-post:** Explanations,  
appeal procedures

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**“When change is easy, the need for it cannot be foreseen; when the need for change is apparent, change has become expensive, difficult, and time-consuming.”**

Collingridge, D. (1980). The social control of technology. Frances Pinter.

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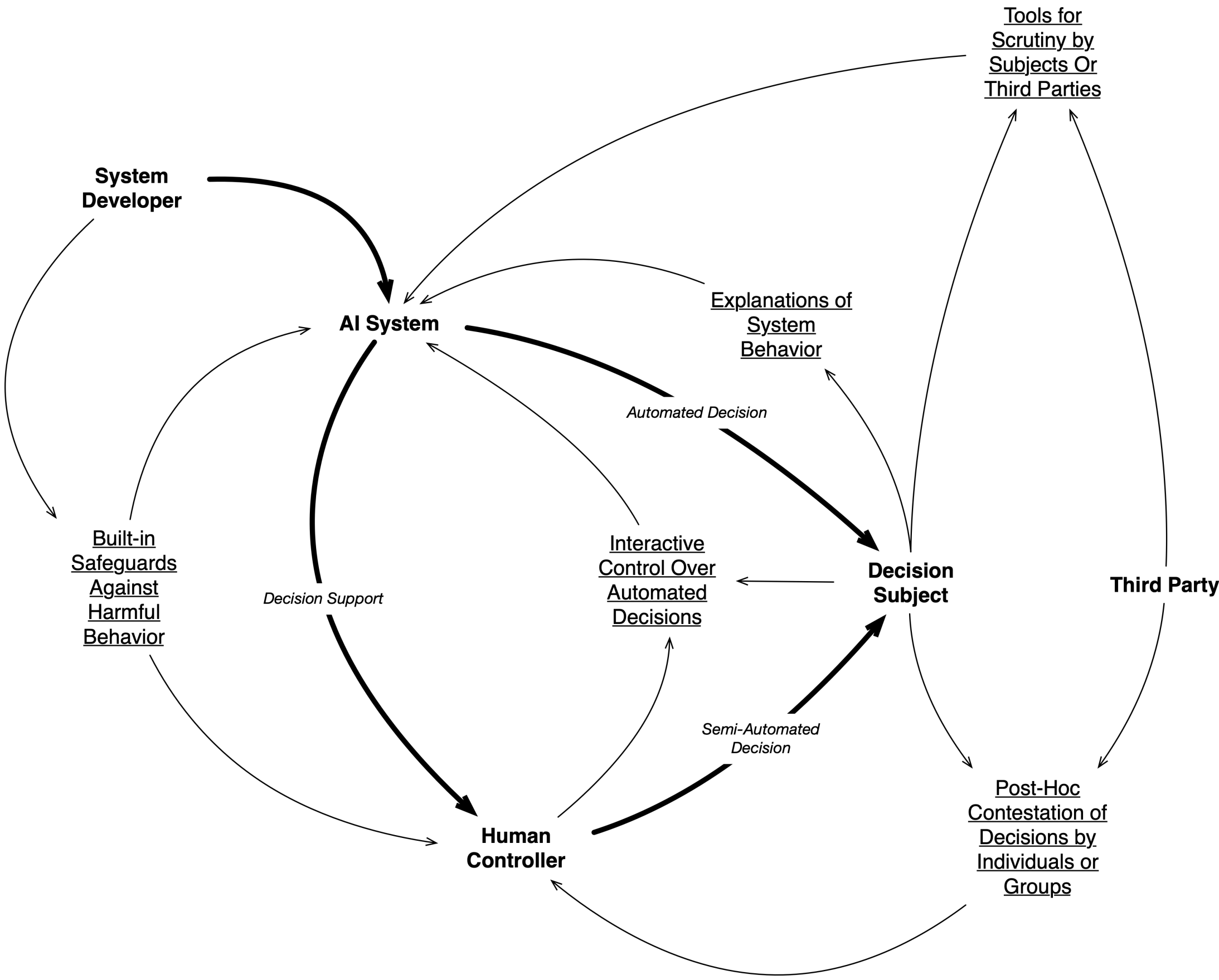
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## Contestable AI

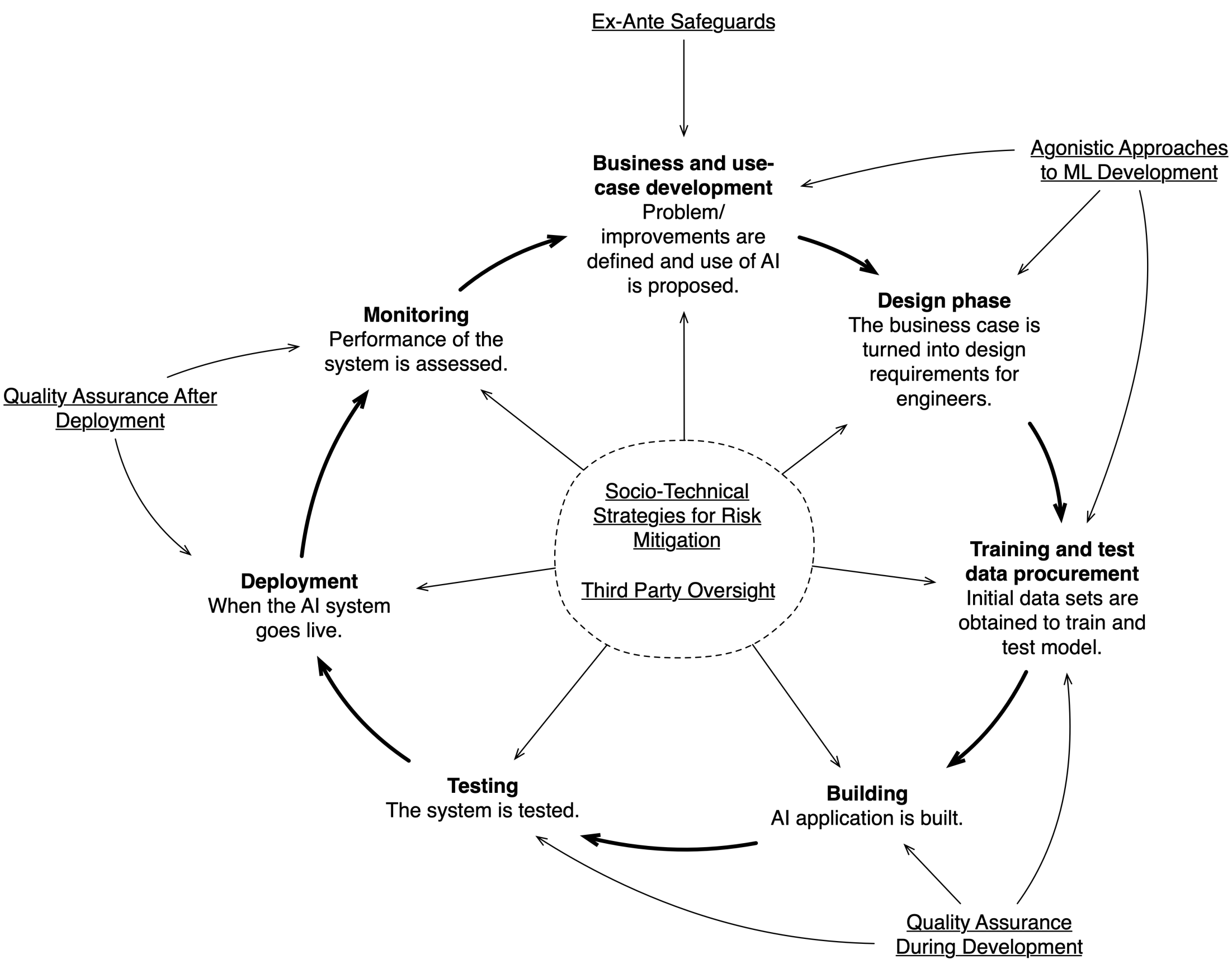
**AI that is open and responsive to human intervention, throughout a system's lifecycle, establishing a procedural relationship between decision subjects and system controllers.**

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# Features



# Practices



Alfrink, K., Keller, I., Kortuem, G., & Doorn, N. (2021). **Contestable AI by Design: Towards A Framework**. Manuscript Submitted for Publication.

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Work in progress

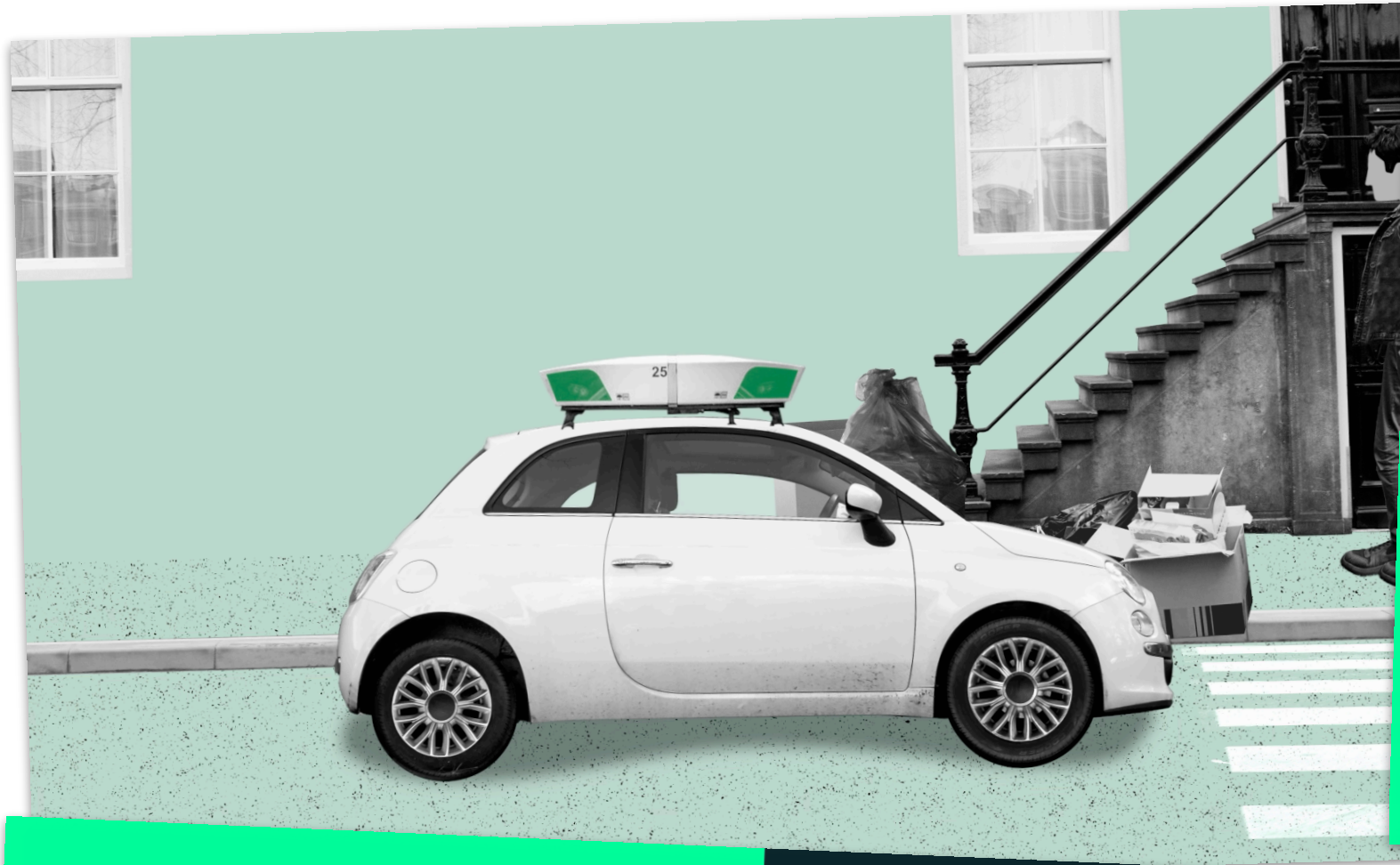
# Contestable Camera Cars






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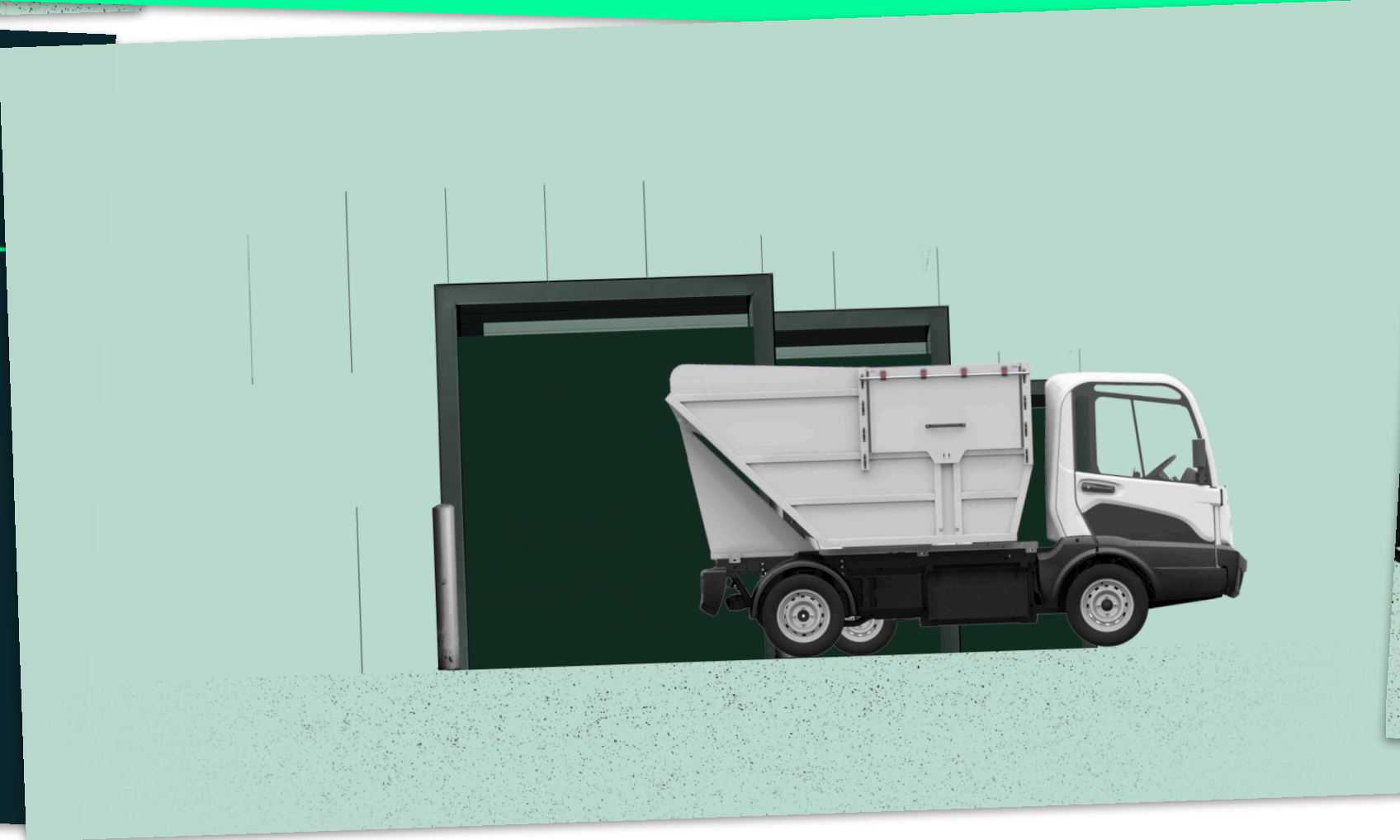
A speculative design  
exploration of public AI  
systems that are responsive to  
value change.

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vehicle	destination
 truck 03	→ location a
 truck 12	→ location b
 truck 17	→ location a
 truck 09	..
 truck 02	..





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## Takeaways

**Avoid resolving disputes up front** using compromise or consensus-seeking.

**Set up procedural, agonistic mechanisms** to identify and resolve them.

**Leverage conflict for continuous improvement.**

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# Thank you!

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