

DENSO HACKATHON

ReIAI

RELIABLE AI RELAY SYSTEM FOR EV CHARGING

Problem.

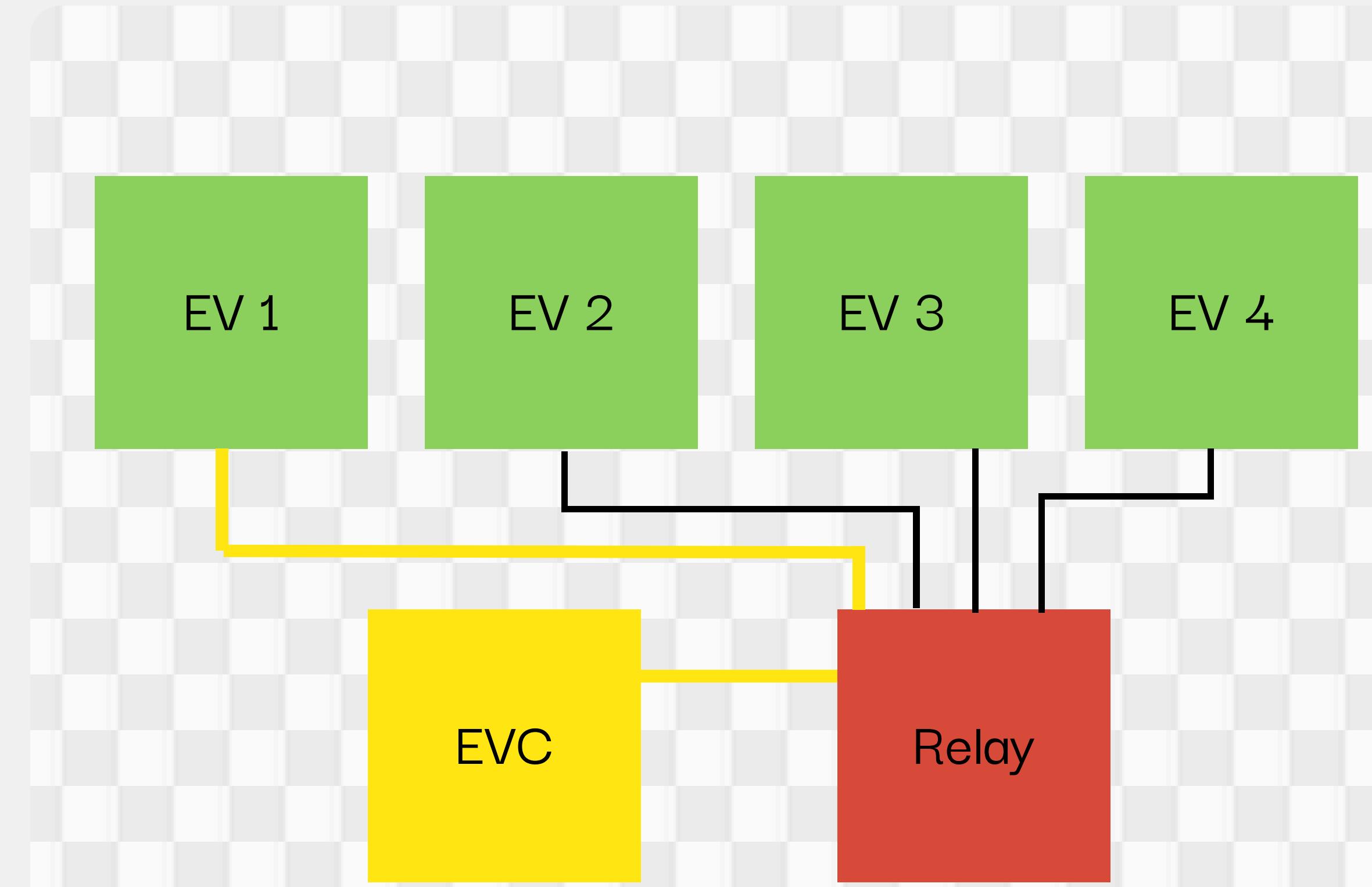
Inconvenient charging

Lack of charging stations

Occupied charging stations

RelAI

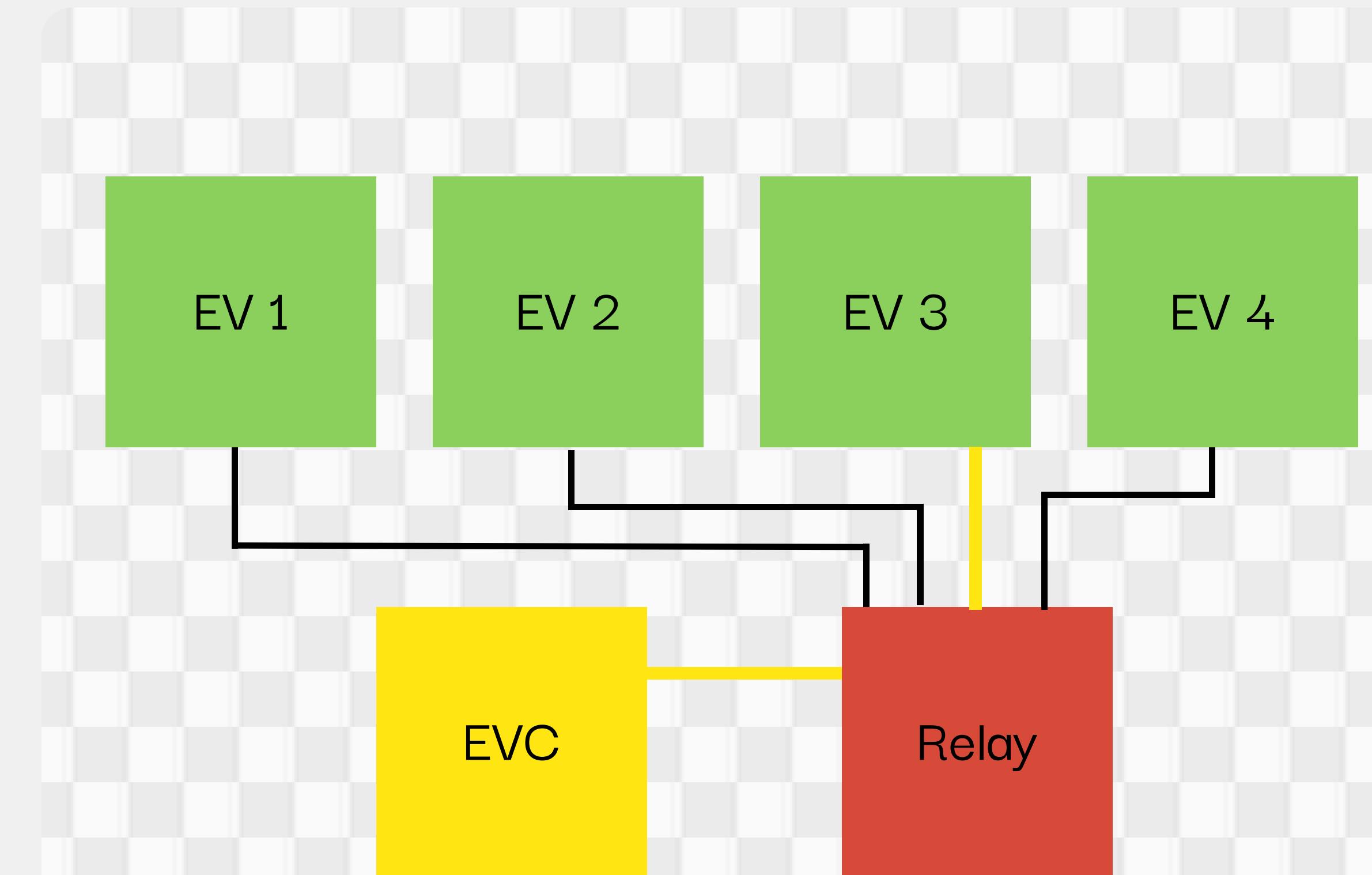
AI-powered automatic relay systems to efficiently divide charge among EVs based on employees' information.



- 1. Exceptional need
- 2. Cost of commute
- 3. Timetables

RelAI

AI-powered automatic relay systems to efficiently divide charge among EVs based on employees' information.

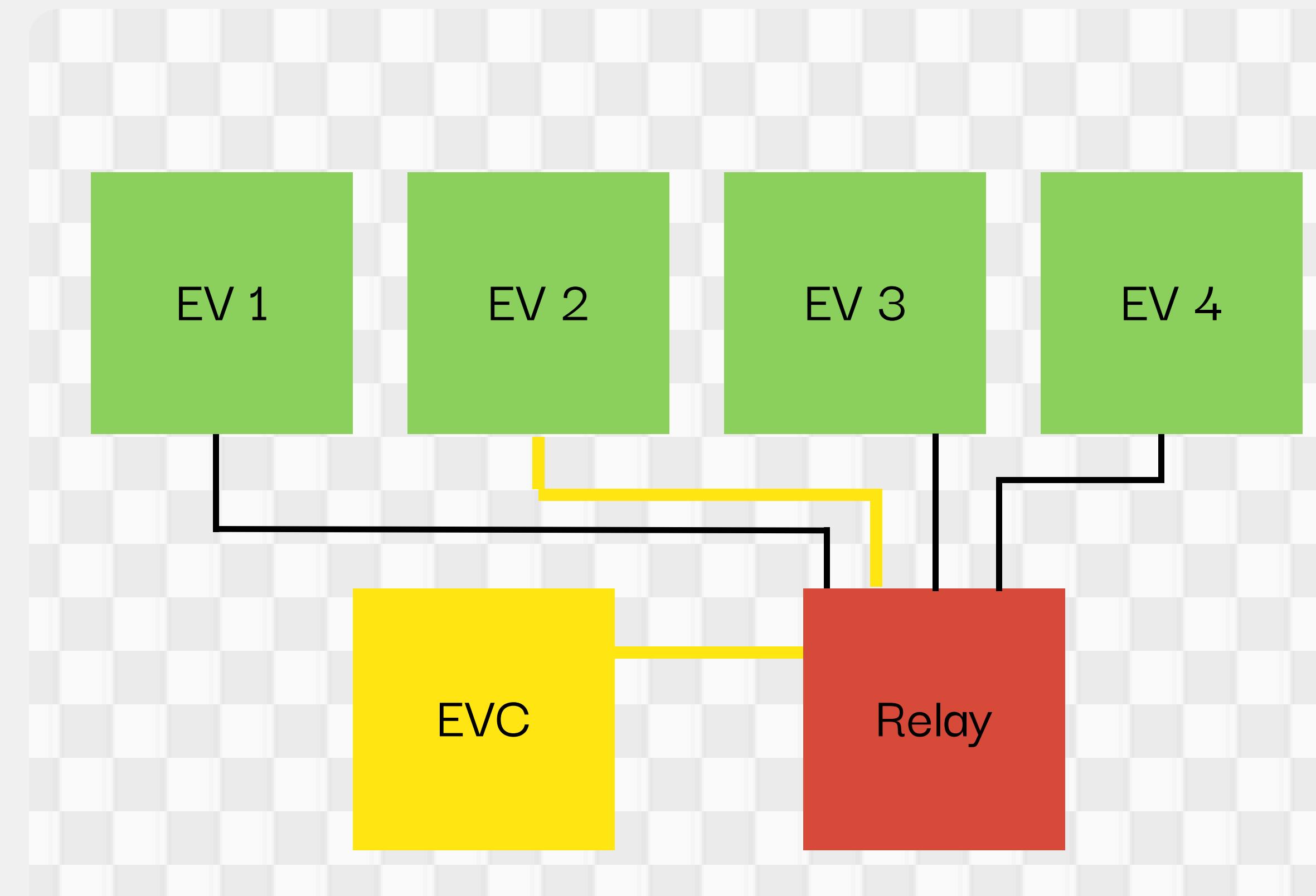


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RELAY SYSTEM

RelAI

AI-powered automatic relay systems to efficiently divide charge among EVs based on employees' information.

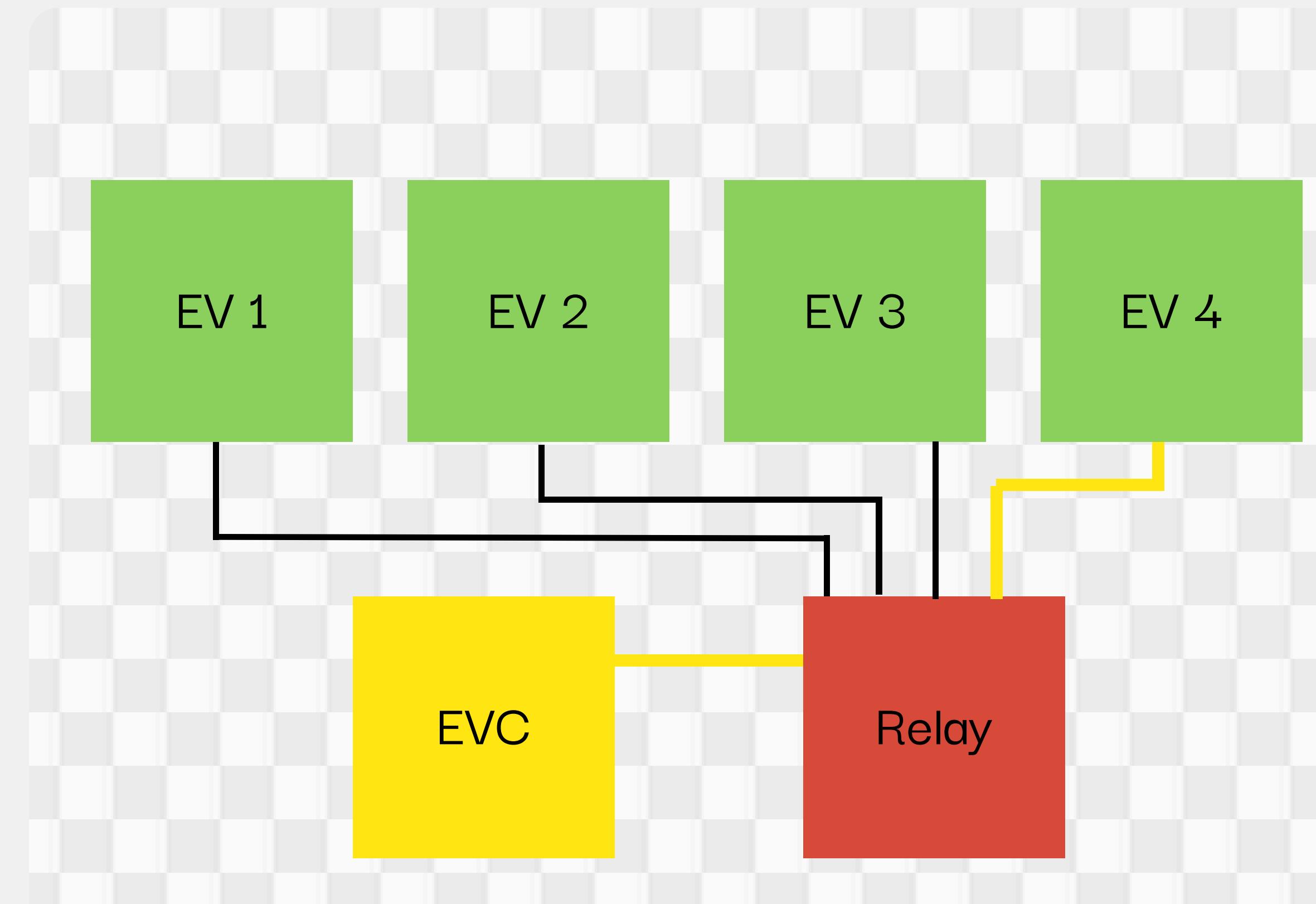


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RELAY SYSTEM

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AI-powered automatic relay systems to efficiently divide charge among EVs based on employees' information.

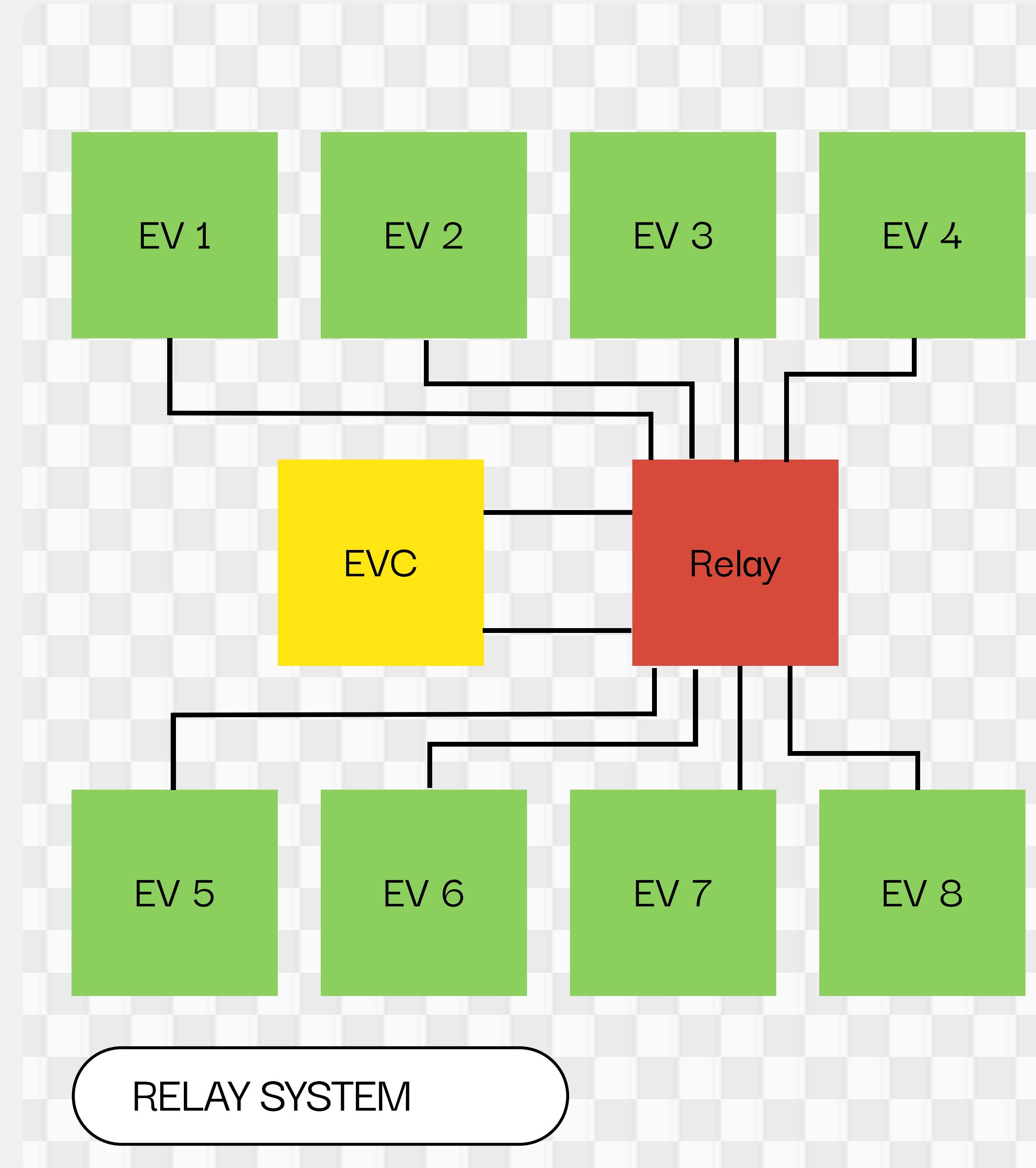


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RELAY SYSTEM

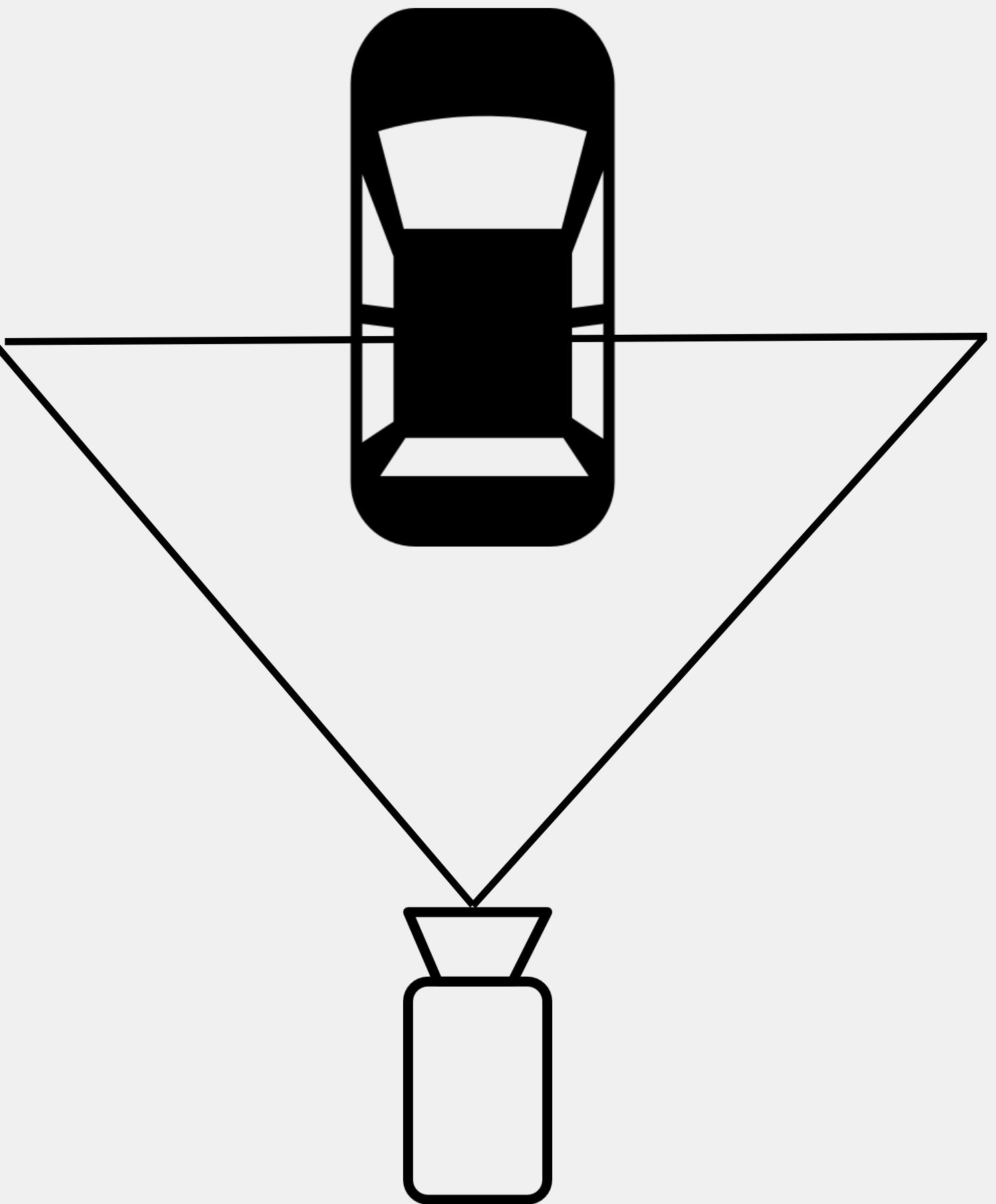
RelAI

AI-powered automatic relay systems to efficiently divide charge among EVs based on employees' information.



HOW IT WORKS

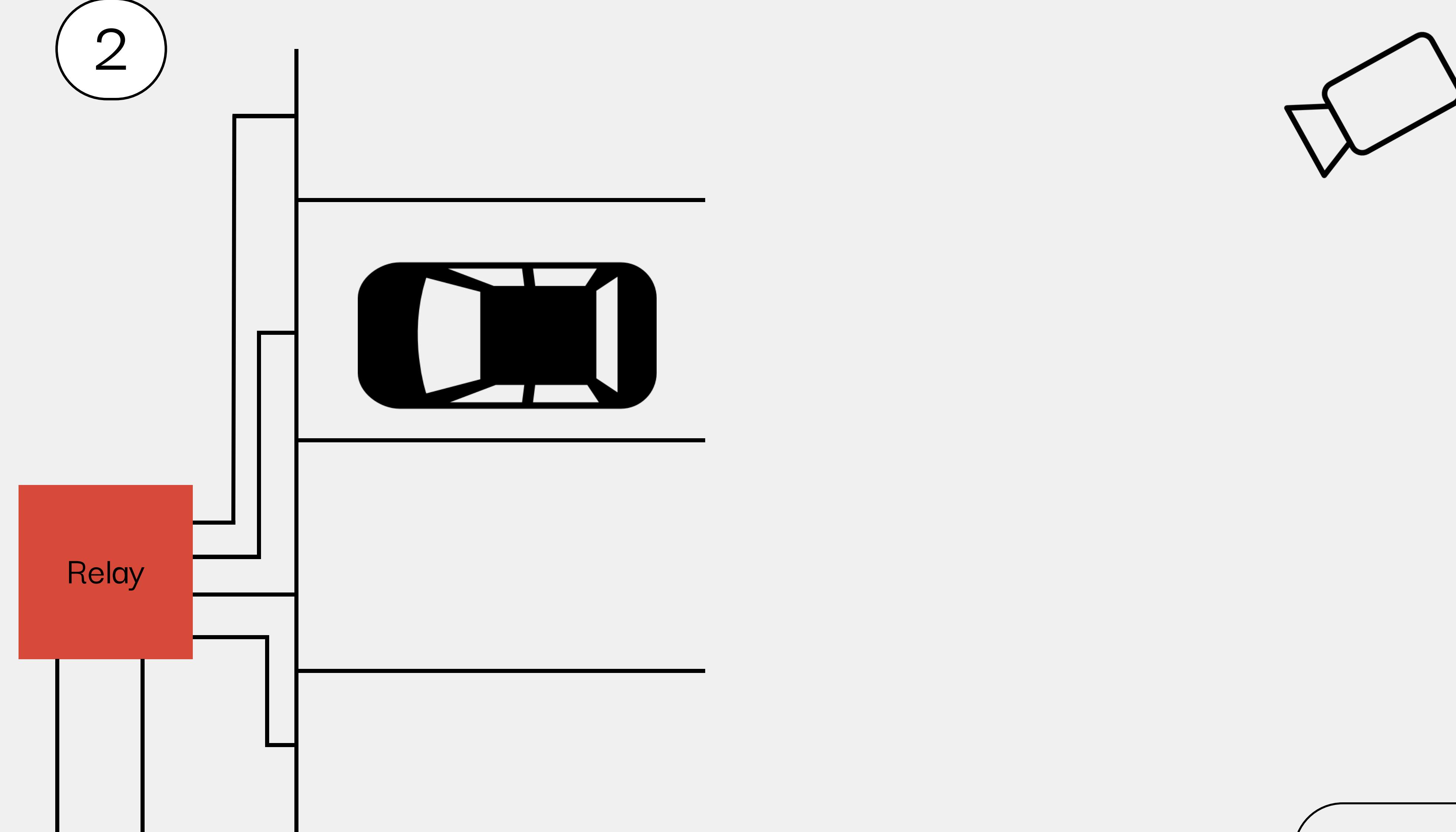
1



Camera reads license plate

HOW IT WORKS

2



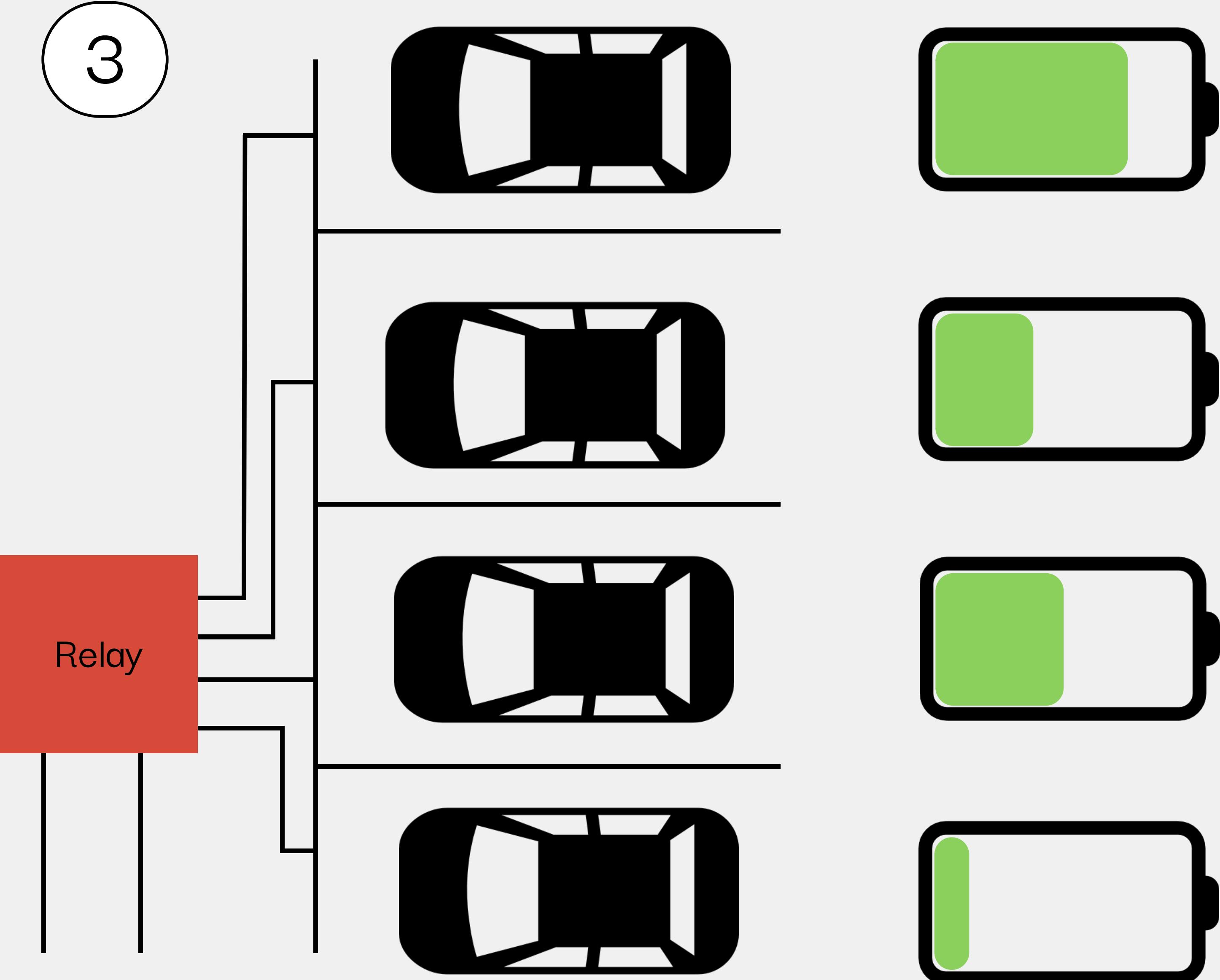
Camera tracks car location

RELAI

CONFIDENTIAL

HOW IT WORKS

3



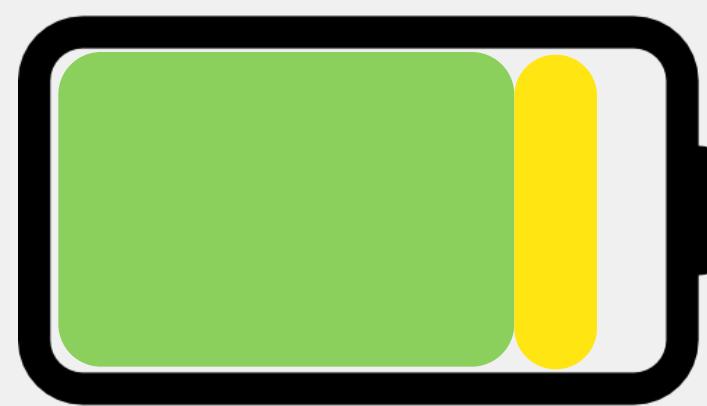
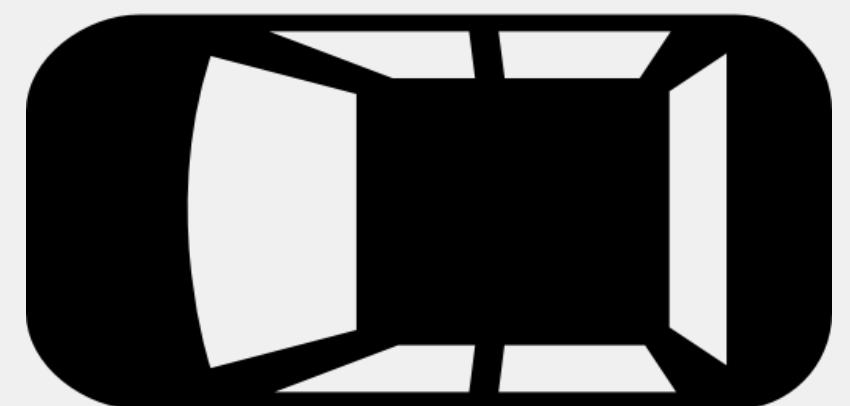
AI algorithm divides charge

RELAI

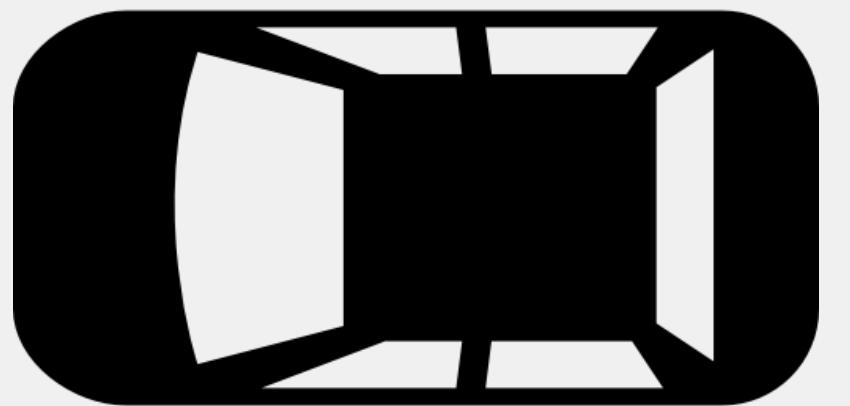
CONFIDENTIAL

HOW IT WORKS

4

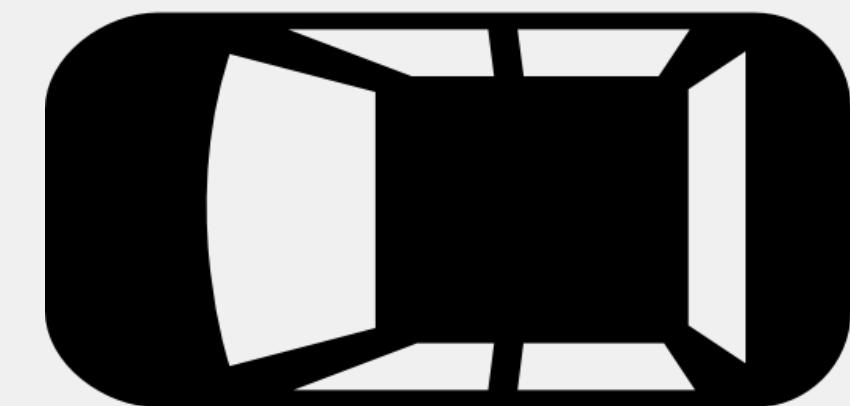
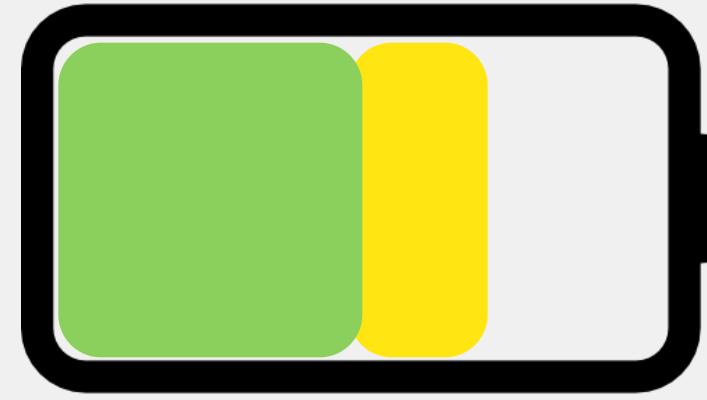
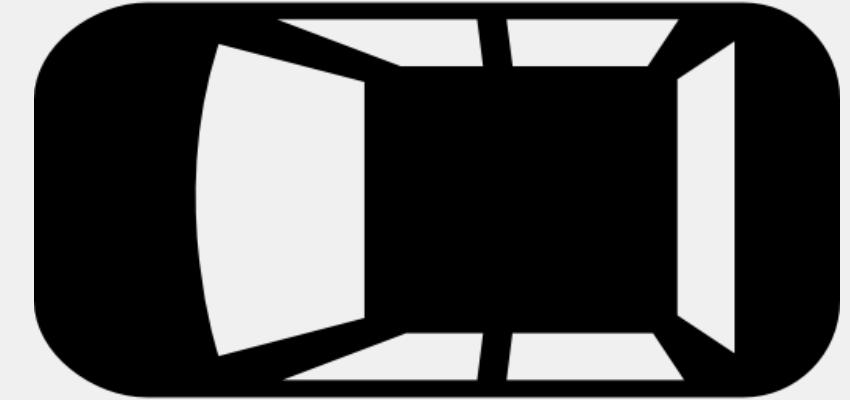


Initial
charge



Cost of
commute

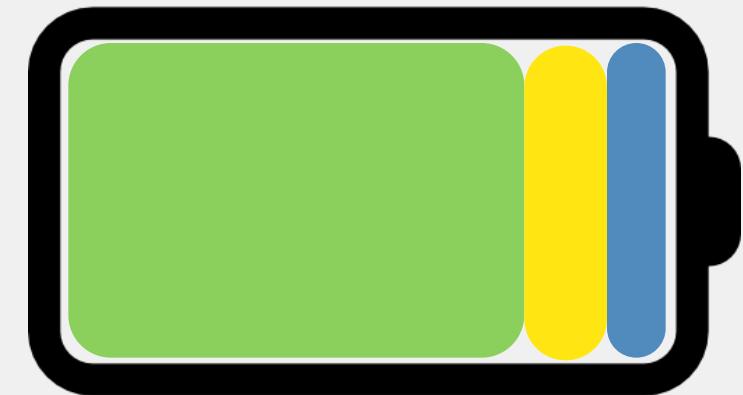
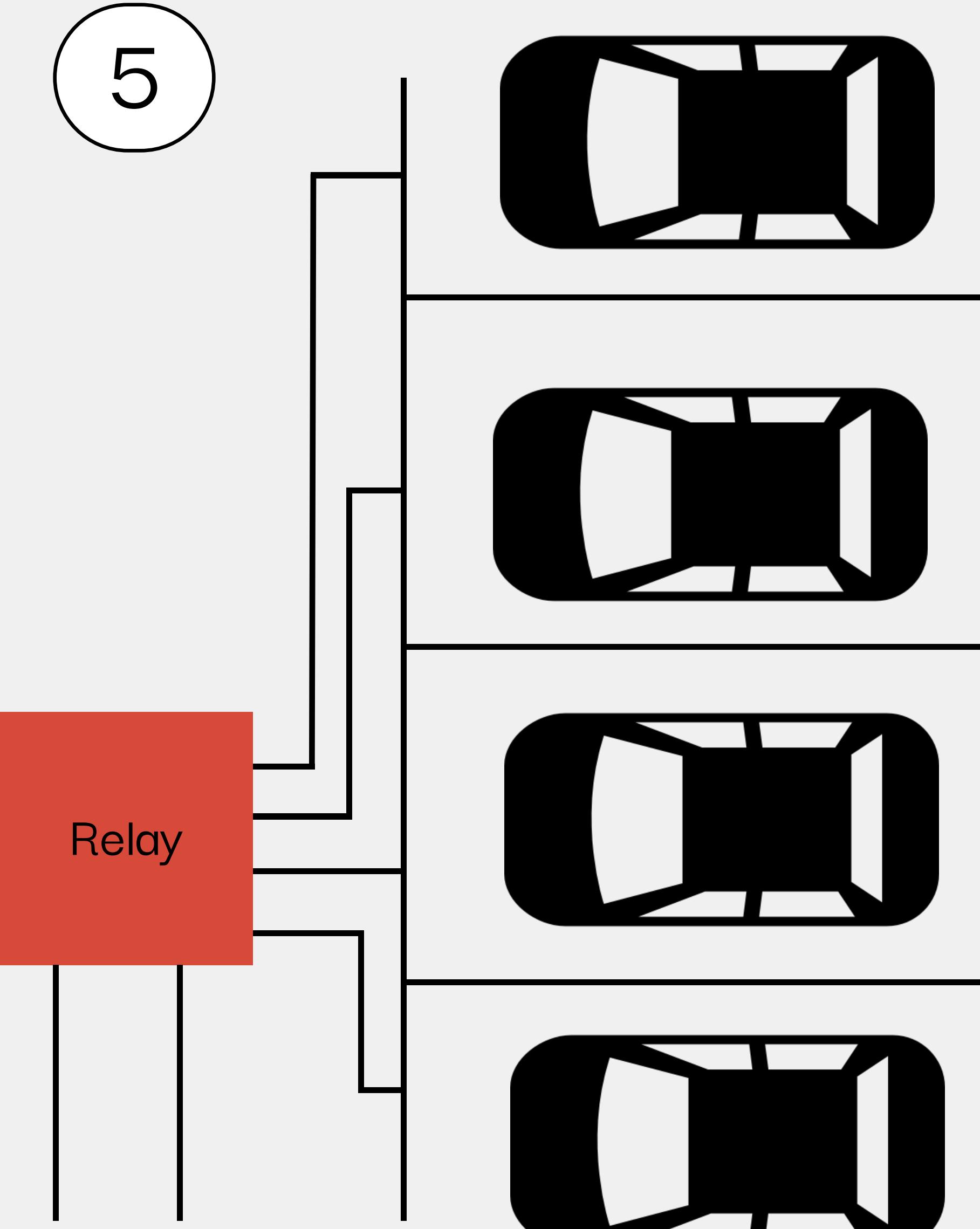
Relay



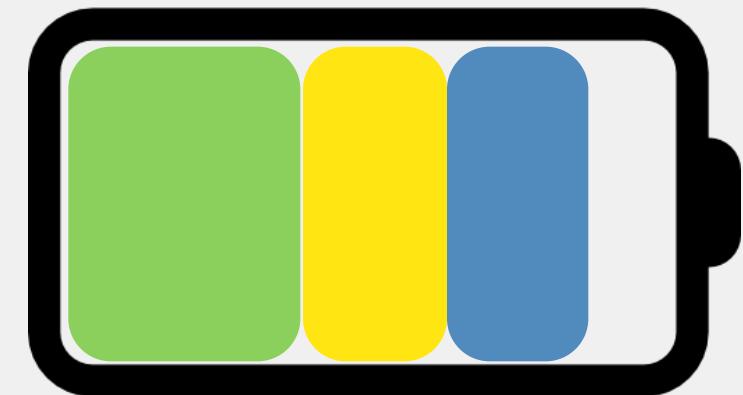
All cars are compensated
for the cost of their
commute

HOW IT WORKS

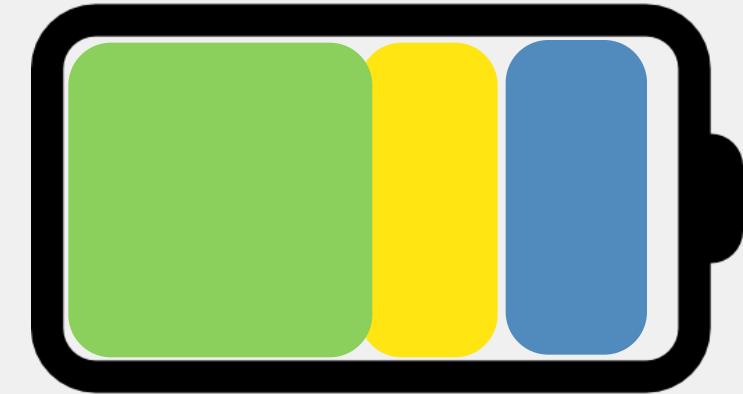
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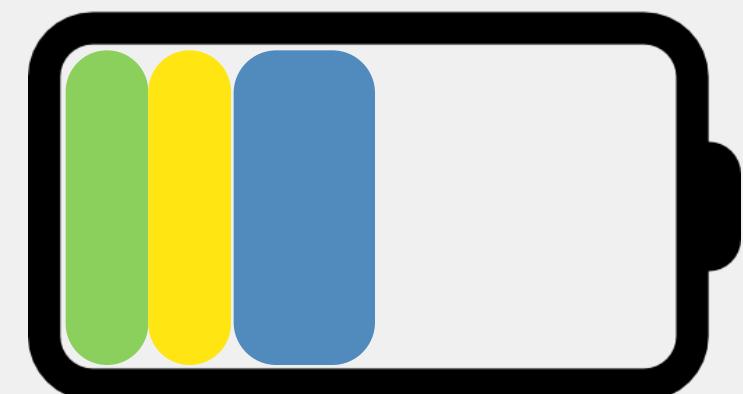
Initial charge



Cost of commute

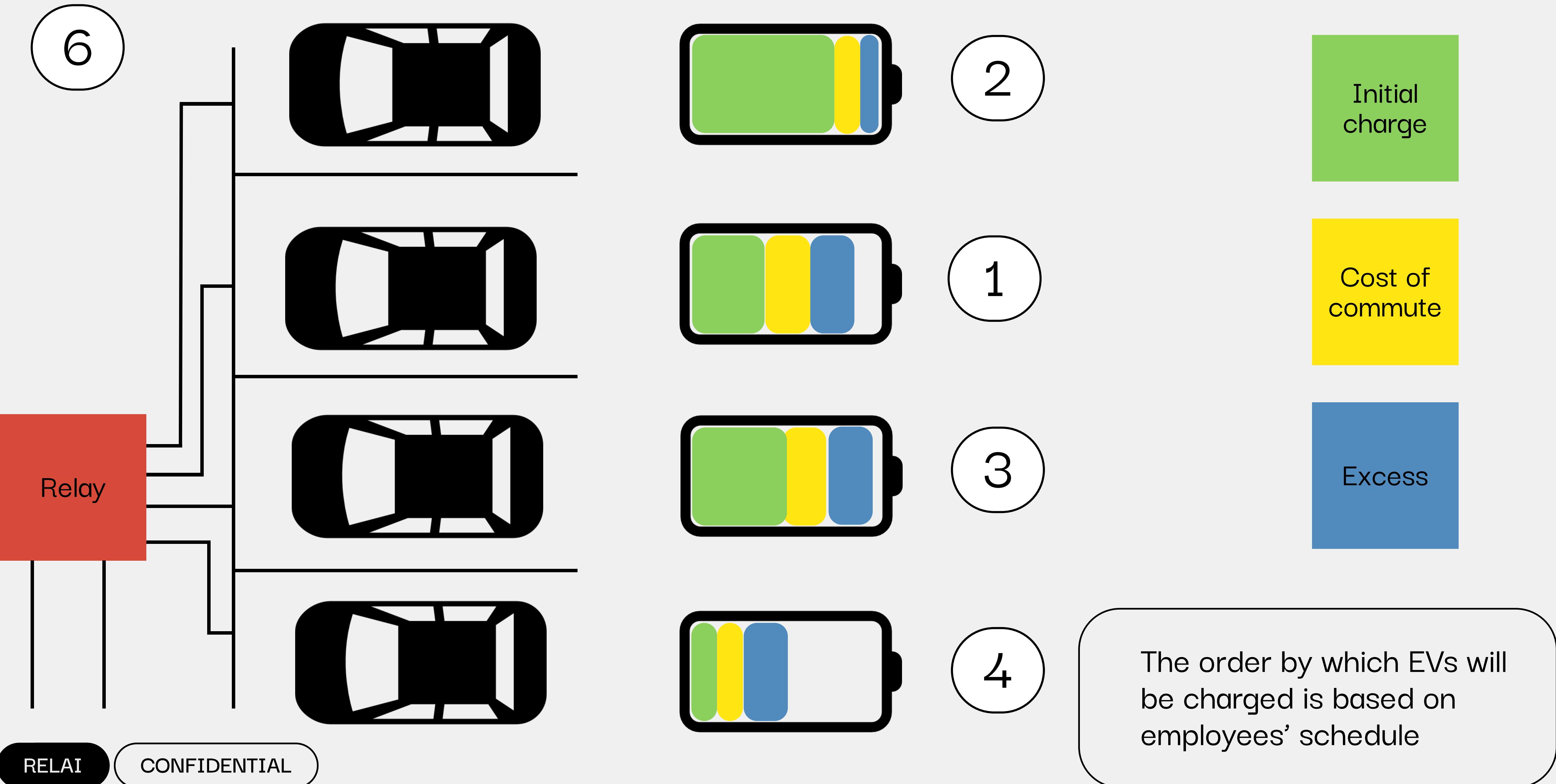


Excess

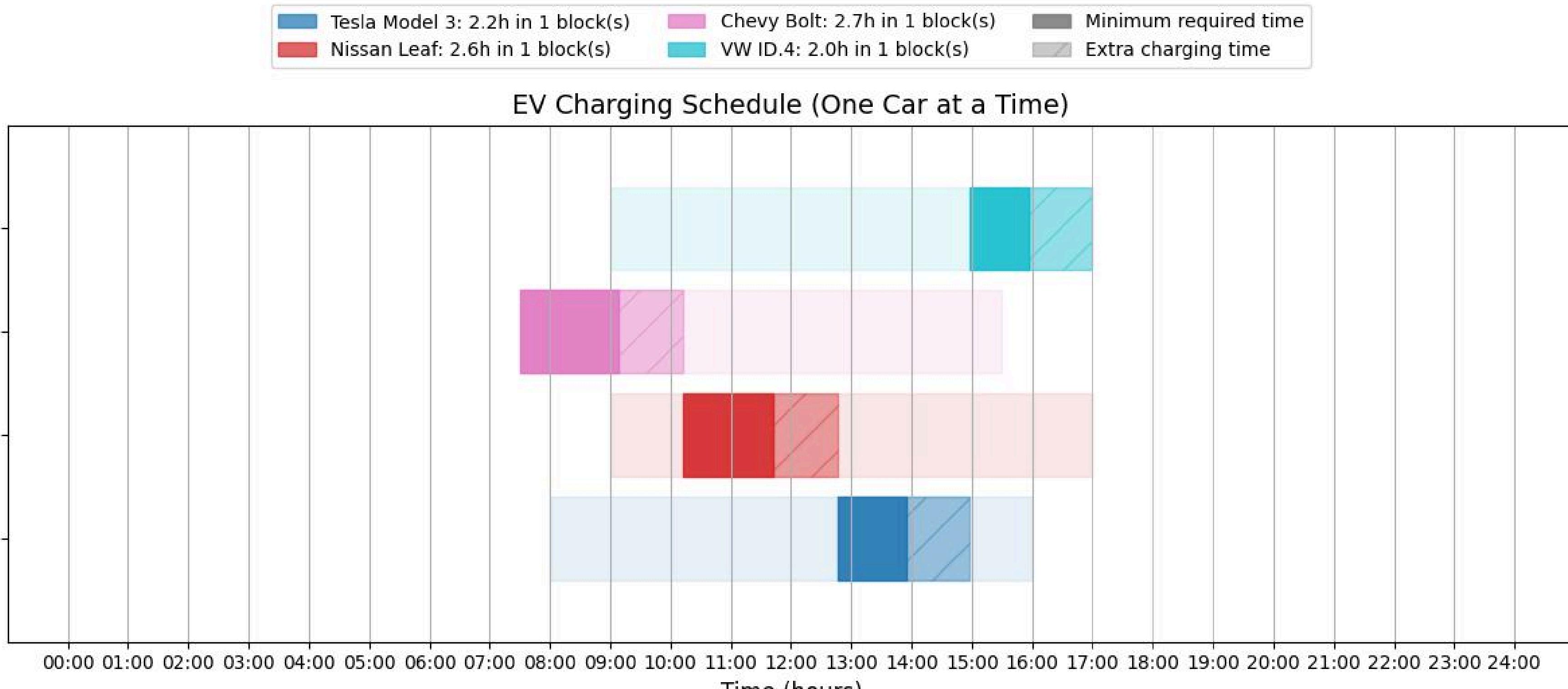


The rest of the charge is divided equally

HOW IT WORKS



Scheduling algorithm



Schedule charge based on employees' commute time, schedules, exception arrangements.

BUSINESS MODEL

Initial cost: 1000 €

Monthly subscription:
200-300 €



Thank you

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