



Eco-mobility in practice

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**SchipholTaxi**

# Organisation

- *Service area Amsterdam / Schiphol Airport*
- *Total fleet of 1200 vehicles*
- *100 fully electric Tesla Model S*



# Ingredients

## *Demand from the market*

- *Business consumer*
- *Private user*
- *Governments*

## *Facilitating and Stimulating government*

- *Laws and regulations*
- *Subsidy*
- *Privileges*

## *Offer*

- *Manufacturers*
- *Transportcompanies*

# Situation Amsterdam/Schiphol

- *European tender*
- *Presence of (charging)infrastructure*
- *Stimulus measures government*
- *Presence electric vehicles*

# Policy Amsterdam

- *Local taxiregulations*
- *Sustainability agenda Amsterdam & Schiphol Airport*
- *Covenant “Clean Taxi”*

# Obstacles and solutions

## *Charging facilities*

- *Charging hub on private property*
- *Including fastcharging*
- *Public charging stations near homeaddress drivers*

## *Mentality drivers*

- *Training electric driving*
- *Workshops*

## *Costs*

- *Subsidy local, national and European*
- *Collective purchase of energie*

## *Range*

- *Use of multiple vehicles for 24h*
- *New technologies?*

# An economic option?

- *Higher initial investment / Lower operational costs*

TCO

*(Total Cost of Ownership)*

## An economic option?

	merk		type			Totaal		
	Tesla	Model S	1	2	3		4	5
<b>Elektrisch voertuig</b>								
Looptijd Jaar								
Prijs + accu (inschatting) incl. BTW	€ 86.190							
Restwaarde (inschatting)								
Investering	€ 86.190							
Kilometer per jaar	80.000	80.000	80.000	80.000	80.000	80.000	80.000	400.000
Afschrijving %	20%	20%	20%	20%	20%	20%	20%	100%
Afschrijving (€)	€ 17.238	€ 17.238	€ 17.238	€ 17.238	€ 17.238	€ 17.238	€ 17.238	€ 86.190
Wegenbelasting (€)	€ -	€ -	€ -	€ -	€ -	€ -	€ -	€ -
Kosten elektriciteit (€)	€ 1.920	€ 1.920	€ 1.920	€ 1.920	€ 1.920	€ 1.920	€ 1.920	€ 9.600
Leaseprijsaccu	€ -	€ -	€ -	€ -	€ -	€ -	€ -	€ -
Onderhoudskosten (€) per jaar	€ 1.000	€ 1.000	€ 1.000	€ 1.000	€ 1.000	€ 1.000	€ 1.000	€ 5.000
Jaarlijkse kosten (€)	€ 20.158	€ 20.158	€ 20.158	€ 20.158	€ 20.158	€ 20.158	€ 20.158	€ 100.790
Kosten per maand	€ 1.680	€ 1.680	€ 1.680	€ 1.680	€ 1.680	€ 1.680	€ 1.680	€ 1.680
TCO (Total cost of ownership)	€ 20.158	€ 40.316	€ 60.474	€ 80.632	€ 100.790	€ 100.790,00		
Kosten per kilometer						€ 0,25		

	merk		type			Totaal		
	Mercedes	E200 Automaat	1	2	3		4	5
<b>Diesel referentievoertuig</b>								
Jaar								
Prijs (inc BPM, incl. BTW)	€ 65.000							
Restwaarde								
Investering	€ 65.000							
Kilometer per jaar	80.000	80.000	80.000	80.000	80.000	80.000	80.000	400.000
Afschrijving %	20%	20%	20%	20%	20%	20%	20%	100%
Afschrijving (€)	€ 13.000	€ 13.000	€ 13.000	€ 13.000	€ 13.000	€ 13.000	€ 13.000	€ 65.000
Wegenbelasting (€) per jaar	€ -	€ -	€ -	€ -	€ -	€ -	€ -	€ -
Kosten brandstof (€)	€ 7.560	€ 7.560	€ 7.560	€ 7.560	€ 7.560	€ 7.560	€ 7.560	€ 37.800
Onderhoudskosten (€) per jaar	€ 2.000	€ 2.000	€ 2.000	€ 2.000	€ 2.000	€ 2.000	€ 2.000	€ 10.000
Jaarlijkse kosten (€)	€ 22.560	€ 22.560	€ 22.560	€ 22.560	€ 22.560	€ 22.560	€ 22.560	€ 112.800
Kosten per maand	€ 1.880	€ 1.880	€ 1.880	€ 1.880	€ 1.880	€ 1.880	€ 1.880	€ 1.880
TCO (Total cost of ownership)	€ 22.560	€ 45.120	€ 67.680	€ 90.240	€ 112.800	€ 112.800,00		
Kosten per kilometer						€ 0,28		



# cabbie

## Let's go.

- Fully electric fleet
- Uniform execution
- Driver pays for using the car
- More efficient use of the fleet



Questions?

Thank you!