



# Case Study

Christchurch City Council

## Partnering with Zilch, Christchurch City Council were able to electrify their fleet, reduce H&S risks and deliver a sustainable mobility solution to their city for zero increase in total costs

Christchurch City Council wanted to transition their fleet to a low carbon footprint but couldn't make the economics work. They identified a global shift from ownership to Mobility as a Service (MaaS) and had a vision of launching a pure electric car sharing service but didn't know how to implement it. They needed help.

### The ambitious vision of the Christchurch City Council

- ✓ A zero-tail pipe emission fleet that fit within existing budget constraints;
- ✓ An increased understanding of all costs and a greater line-of-sight in cost allocation;
- ✓ A sustainable mobility platform for the whole city that would improve local air quality;
- ✓ People focused change management across their complex organisation, introducing 700+ Council employees to an electric shared fleet.

In 2017 Zilch was appointed to deliver a shared electric fleet across the Christchurch City Council

### The outcome: An electrified fleet within existing budget

By optimising vehicle utilisation with its proprietary sharing technology, Zilch was able to reduce the physical number of cars required to fulfil Christchurch City Council's usage requirements and by doing so deliver an electrified solution within existing budget.

The Zilch Car Share solution delivers on every element of Christchurch City Council's ambitious vision

*"The shared electric fleet that [Zilch] has provided for the City Council, a number of other businesses, and the public here in Christchurch has been brilliant"*

Vicky Buck – Chair, Innovation & Sustainability Committee



100%  
Electric fleet



1000  
Trips per month



300  
Tonnes of CO<sub>2</sub>e reductions

# 48 month TCO comparison

Zilch is committed to complete customer confidentiality. As such we're unable to provide specific financial or quantitative data relating to specific customers.

The following example is based on a Zilch customer case illustrating the financial benefits to optimising a fleet with sharing technology.

BEFORE ZILCH

	Vehicle Count	Emissions (Tonne CO2e)	TCO (Total)	TCO (Monthly)
Ford Focus	1	12	52,694	1,098
Ford Mondeo	1	13	59,570	1,241
Hyundai Ioniq	4	0	304,331	6,340
Hyundai Kona	2	0	166,322	3,465
Mitsubishi Outlander	21	531	1,985,417	41,363
Mitsubishi Pajero Sport	1	24	88,795	1,850
Nissan Leaf	1	0	68,653	1,430
Skoda Octavia	4	66	362,408	7,550
Total	35	645	3,088,191	64,337

ZILCH FLEET

	Vehicle Count	Emissions (Tonne CO2e)	TCO (Total)	TCO (Monthly)
Hyundai Ioniq	13	0	1,013,340	21,111
Hyundai Kona	12	0	1,090,326	22,715
Total	25	0	2,103,666	43,826

## The results



25%  
Fleet Reduction



32%  
Cost Reduction



100%  
Emission Reduction

Want to know if Zilch is right for your business?

Email [business@zilch.nz](mailto:business@zilch.nz) to arrange a TCO analysis of your fleet



Thanks. Nga mihi nui.