observations and research you ve done about your users.

## Says

What have we heard them say? What can we magine them saying?

> Electricity flows from the battery to the motor which spine with a barely audible hum.

Electric vehicles produce roughly the same wind and road noise that ICE vehicles do but at lower speeds they operate in near slience.

> warning sounds are sounds designed to alert pedestrians to the presence of electric drive vehicles such as hybrid electric vehicle.

VISULALIZATION TOOLS FOR ELECTRIC VEHICLE CHANGE AND RANGE ANALYSIS

Visions of personal mobility futures in the UK are analysed.

> People are imagined mostly as consume who purchase and drive cars.

Many visions see privately owned car centred mobility continuing as at present.

Petrol or diesel vehicles are highly pollution and are being quickly replaced by fully electric vehicles.

might influence their Transport is a fundamendal requirement of

modern life but the

traditional combustion

engine is quickly

becoming outdated.

What are their wants, nee

and dreams? What other

Range anxiety is

the fear

Fully electric vehicle have zero tailpipe emissions and are much better for environment.

Give them a name and a portrait to empathize with your persona.

Higher purchase cost .Low price on selling . Low energy . Slow charge .

of driving an electric vehicle and running out of power. .

> Electric vehicle without being able to find charging station on time to replenish the battery.