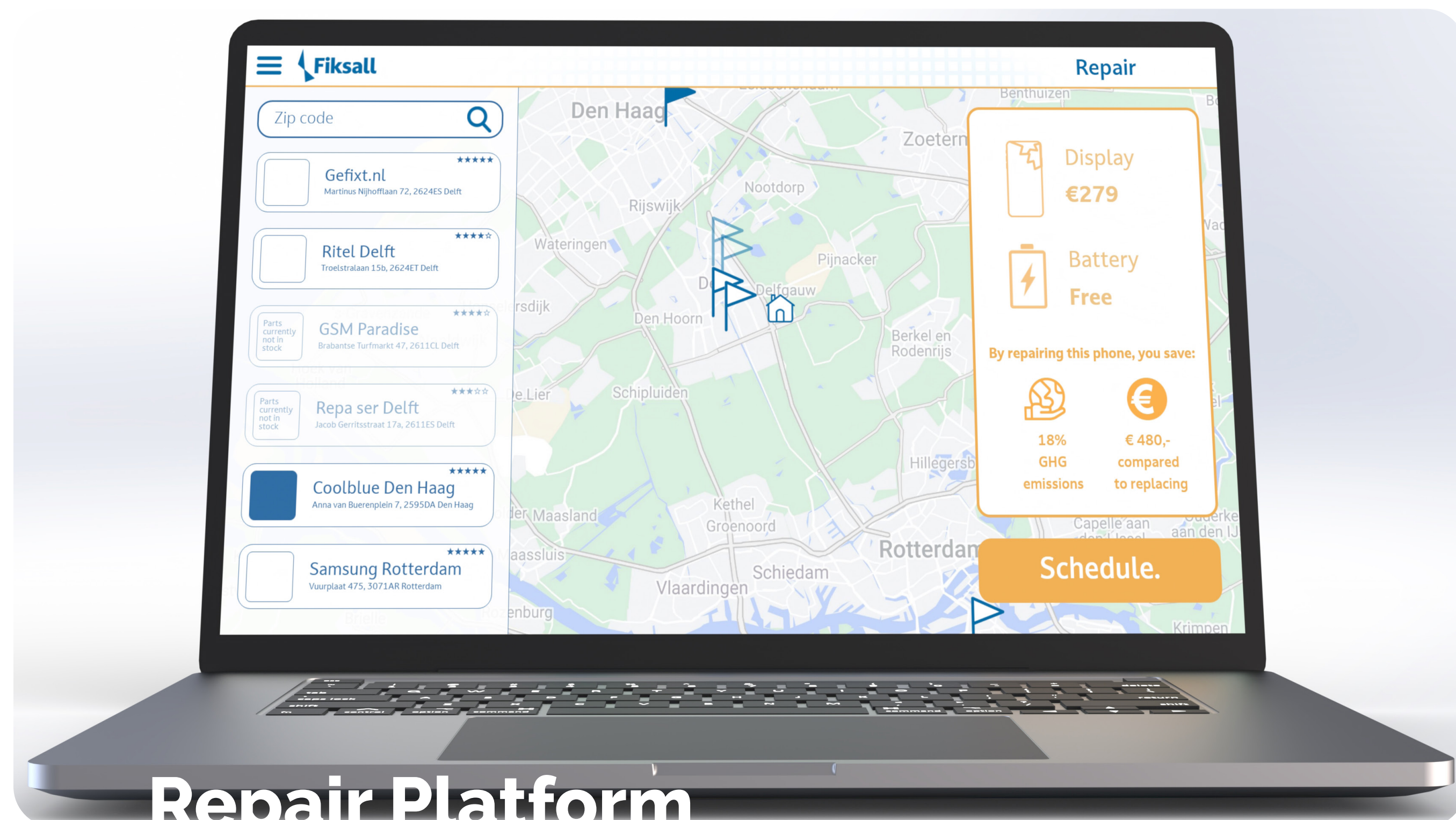
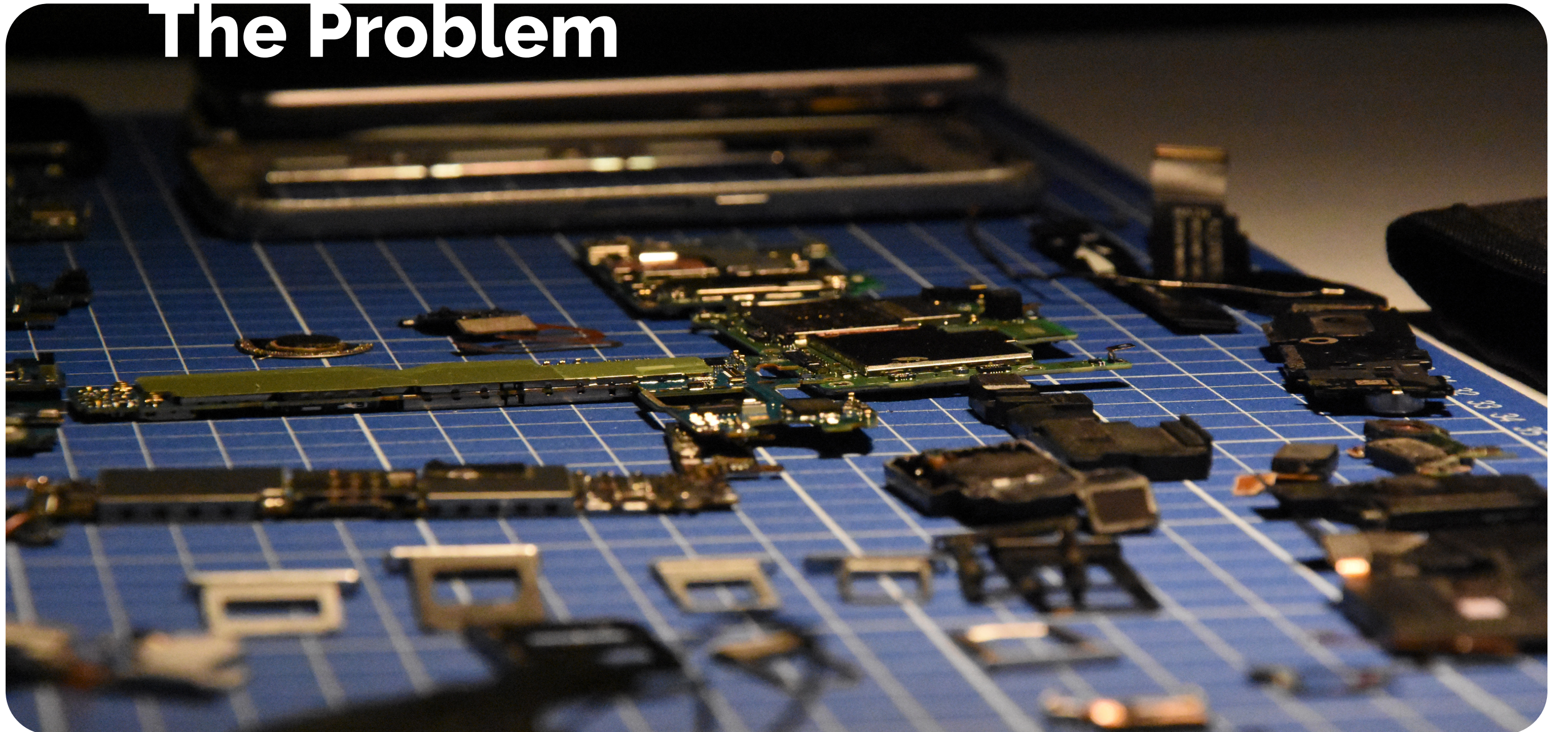


Display Repair

Battling Premature Obsolescence in Smartphones by Stimulating Repair Actions

Smartphones generate high emissions and a considerable amount of e-waste. To create a more sustainable use, they should be repaired more to prolong their use-times. Users need repairs to be **affordable, accessible, and attractive**. This is currently not delivered, therefore the repair offers and design of smartphones are addressed in this thesis to stimulate repair.

The Problem



Repair Platform

A repair platform is proposed in combination with a repairable smartphone. The platform stimulates repair by showing the user their savings and connecting repair shops to manufacturers to make reliable repairs more accessible. The platform and smartphone need each other to function optimally. A repairable smartphone needs a well-functioning repair network, and a network needs more repairable smartphones.

The smartphone aims at reducing repair complexity and the time it takes to replace the display. This makes repairs more attractive, as it reduces the time and effort it takes. It does so by dividing the entry to the smartphone. For a display repair, only the display needs to be removed. For any other repair, the rear cover can be removed to allow access to the battery, cameras, and motherboard among others.



Concept Smartphone