EcoHome Optimized Appliance Scheduler (EOAS)

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Our proposition

> ## ACTION NEEDED, PLANET AT RISK!
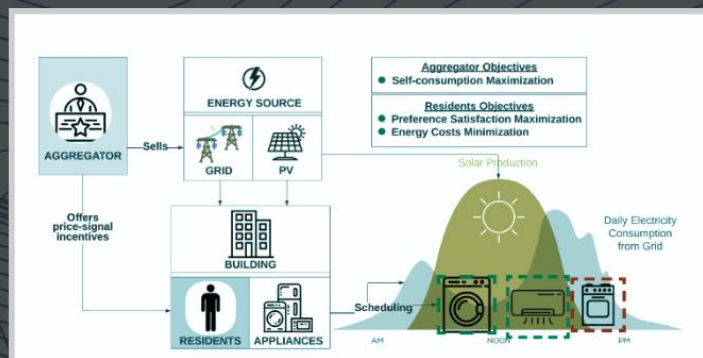
The problem

Inefficient use of self-generated energy that cause:

- Loss of self-produced energy.
- Overloading the grid and using practices that harm the environment.
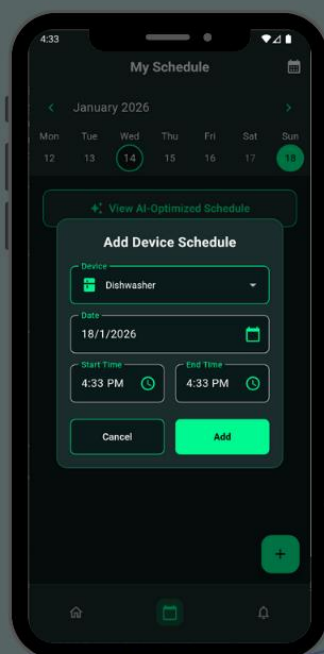- Increased energy costs due to higher demand from the grid.
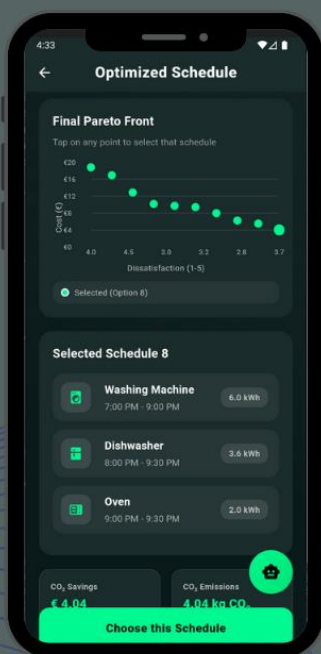

The solution

→ Max Self-consumption

- Minimize energy demand from the grid.
- Reduce reliance on CO_2-emitting fossil sources.
- Maximize utilization of self-produced renewable energy.
- Meet energy needs efficiently.

The ECO Home App

Make your scheduling preferences

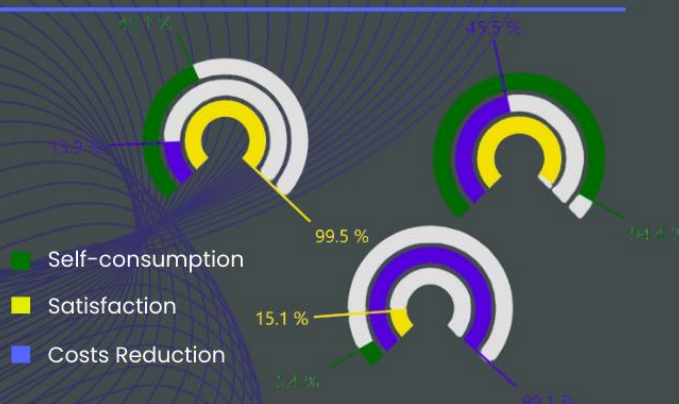Get optimised options via a state-of-the-art algorithm

Review the options with an AI bot

View the benefits of your choices!

What we offer

- Up to 94.4% Self-consumption
- Up to 99.1% Costs Reduction
- Up to 99.5% Satisfaction

- 🟩 Self-consumption
- 🟨 Satisfaction
- 🟦 Costs Reduction

99.5 %
15.1 %

Main features & Technologies

- Flutter
- Push Notifications
- API Rest-APIs
- Smart-Home Scheduling
- LLM
- User-Friendly UI/UX & Dashboard

MDL — MOBILE DEVICES LABORATORY

Frederick University

LIVE IT PROJECTS

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Košice 2026