ORAS ECO SHOWER

The project focused on developing the Eco Pulse Shower, a sustainable solution designed to reduce water and energy consumption in bathrooms. Our product provides real-time feedback to users in the form of water pulses and visual cues with an LED puck on the wall. In comparison to existing feedback systems, it does not confront users with excessive data; rather, it uses subtle nudges to reduce their hot water and related energy consumption.

Duration:
7 months

My role:
As the design lead, I conceptualized the core idea behind the feedback mechanism, developed the visual narrative for the product and conducted user testings, serving as the interface between the user and the engineering Team.

Team member:
Silvia Aires / Qiyue Chu / Gabriel Fuentes / Muhammad Irfan / Dat Le / Diogo Maia / Hasan Nazir / Pasindu Padmathilaka / Stiina Salminen / Gaspar Vieira

Status:
Prototype developed and tested with users. A patent process is underway. The product and booth have been transfer- red to Oras.

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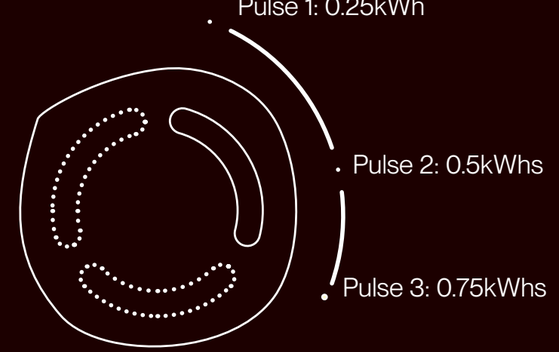
Our approach introduces subtle pulses in the waterflow and visual feedback through light pulses which are noticeable but not disruptive. Each pulse is triggered when a specific level of energy consumption is reached, providing users with real-time feedback.



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Iterative development of a user-friendly, organic form utilizing 3D printing.

Users set personal goals for water-related energy consumption, receiving visual feedback through light pulses.

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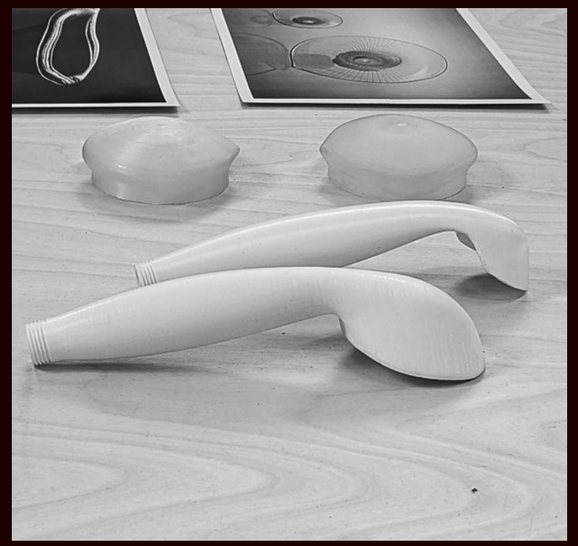
Beside the main Feebacksystem, I made several formstudies and reworked the ergonomics of the showerhead, to work well with the organic-shaped LED puck.



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