

SolarEase

An AI-Powered Dashboard that Makes Going Solar Easier

1 Problem

Uncertainty in Solar Adoption

Despite rising energy costs and grid instability, **individuals** and **communities** struggle to adopt solar microgrids due to a lack of clear guidance and financial clarity.

Key Barriers

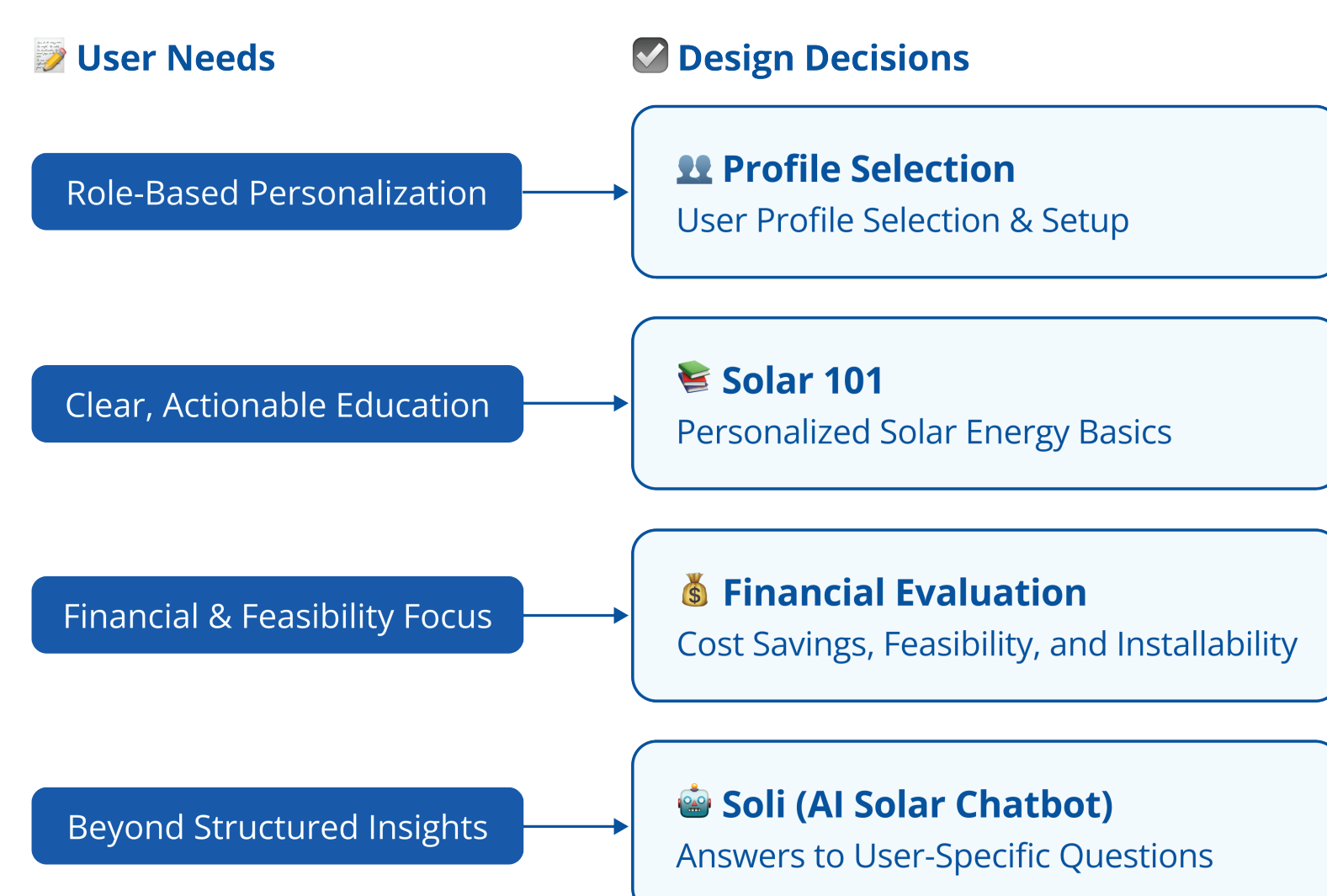
-  Lack of Educational Resources
-  Unclear Financial Analysis
-  Unintuitive Tools

2 Approach

User-Driven Design Process

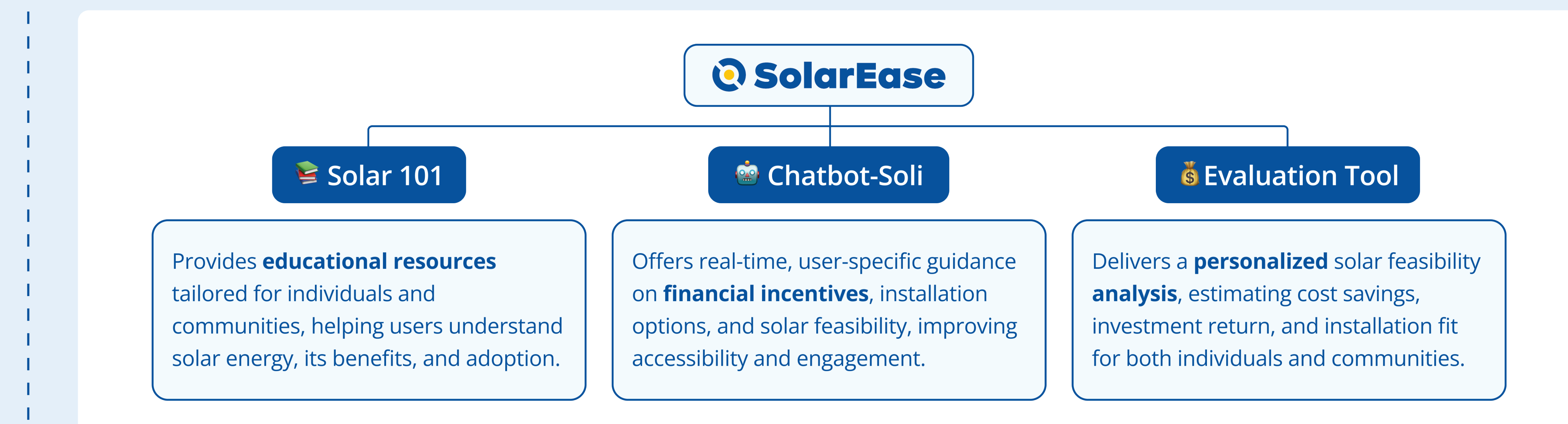
We studied solar adoption **barriers**, gathered **user insights**, and identified **key features**. Through **iterative prototyping** and **usability testing**, we refined designs before implementation. These findings shaped **design decisions**, ensuring the dashboard aligns with **user needs**.

Research-Informed Design Decisions

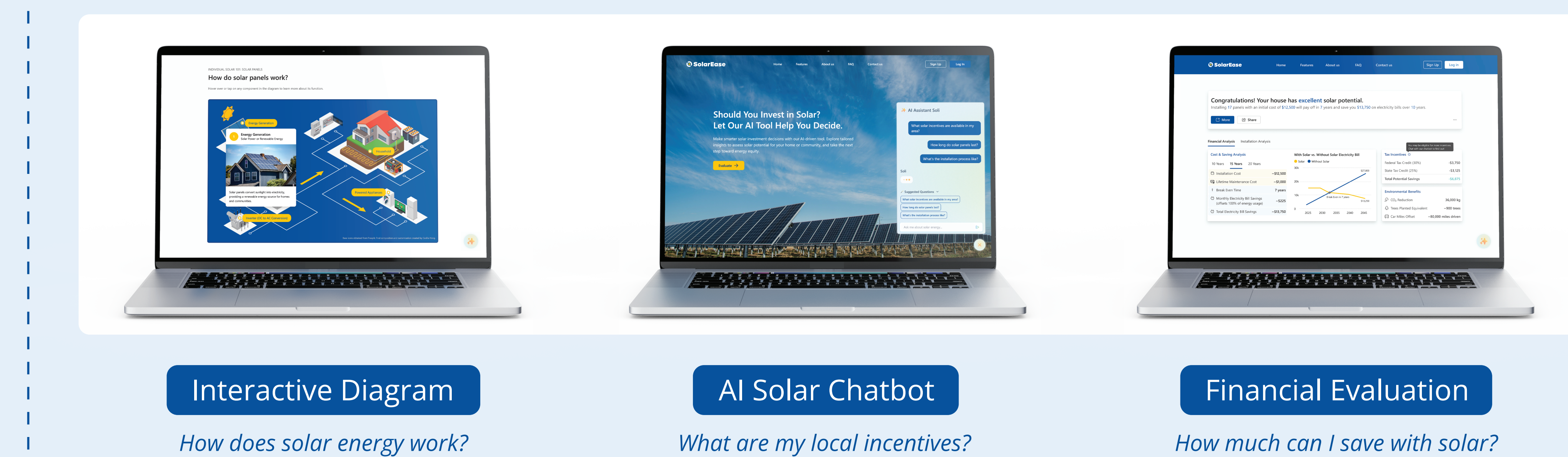


3 Solution: SolarEase

Dashboard Structure



Key Features



Technical Foundation



Data Flow

