

Adaptive facades are building envelopes that can adapt to changing climate and weather through changes in form or state.

Facade design involves using software to test and model, incorporate sustainable and green features, adapt to specific building and urban contexts, and choose appropriate materials and systems.

Main Challenges

According to our interviews with architects and designers at Ronald Lu & Partners, we found out several key challenges the designers have when designing adaptive building facades.



FacadeFlex

HOW TO MODIFY?

Difficult and complex modification after simulation

Assessment & Evaluation System for Adaptive Facade in Early-Stage Designs



