



A local platform to fill the existing gap of transitioning from prescriptive building designs to performance-based design. Powered by an intuitive interface and understandable reporting. StepWin makes it possible to find the best design for each Step Code level, compared to the limited but typical trial-and-error approach.



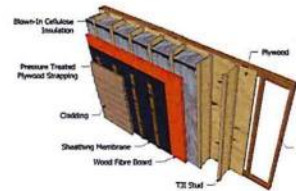
Unique simulation technology to test millions of possible scenarios for each design.



Prioritized passive elements for energy-efficient and cost-effective designs.

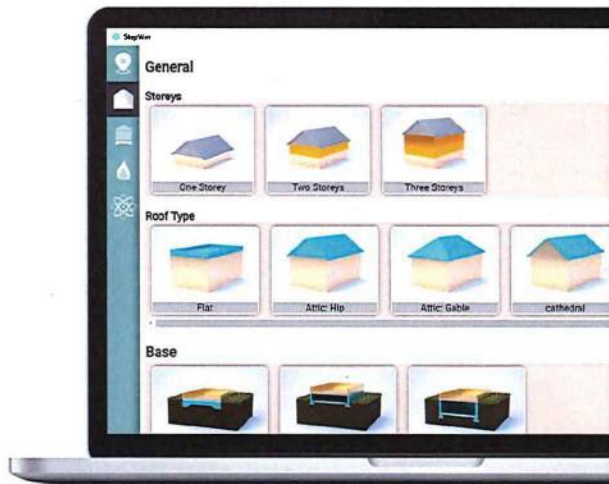
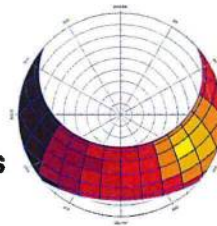


Highly customizable, extensible, and embeddable based on municipal needs.



Insights and detailed reports made for construction sites.

Going beyond core features with powerful modules such as HOT2000 exporter, customized admin panels for city staff, and much more.



Existing Process For Builders

CHOOSING THE CEA

GIVING A DESIGN TO THE CEA

Not Complying Or Changed Design

REVIEWING THE MODELING RESULTS

FINAL MODEL REVIEW & TWEAKS

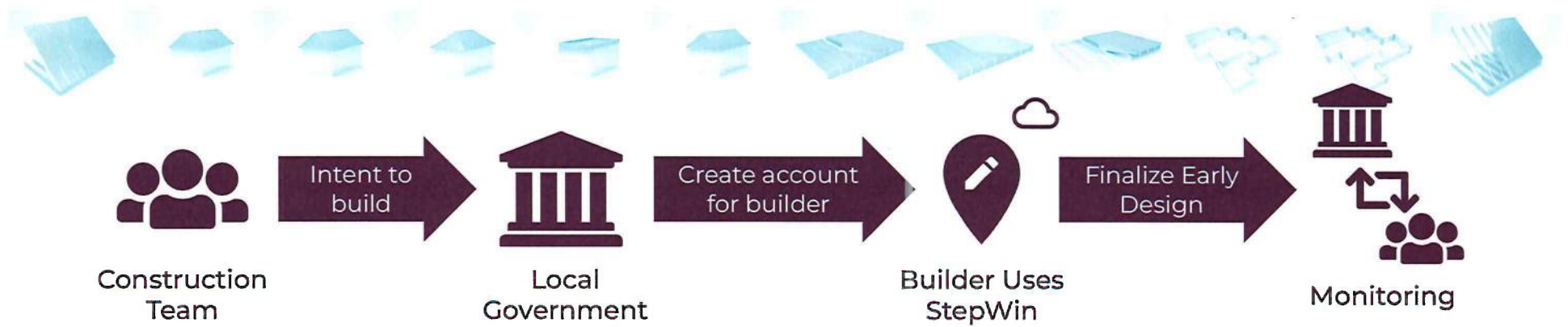
STARTING CONSTRUCTION

StepWin targets the most inefficient and frustrating stage of Building Energy Modeling.

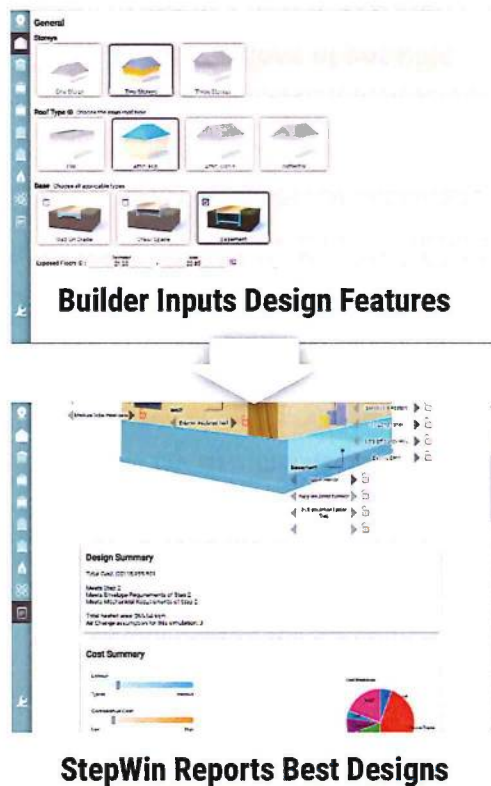
With this method builders, architects, and modelers can focus on the specifics of each project rather than the repetitive tasks.

Available for municipalities all across British Columbia.

Request your demo:
info@stepwin.ca



StepWin In Action



- New single-family house built in the City of Vancouver.
- Project general details (floor areas, window locations) and project constraints were given to StepWin.
- All acceptable design alternatives created **92,160** possible ways of building the house. These were simulated and analyzed for cost-effectiveness.
- The results showed the design can be improved for both construction costs as well as energy efficiency.
- The results also showed how the design can be taken to Step 5.

Scenarios provided to builder:

Scenario 1: Cost-Saving

Results showed that same energy efficiency level can be achieved by **approximately C\$11,000 saved in energy-related construction costs.**

Scenario 2: Same budget

Keeping the existing budget, but redistributing how it is allocated at different parts of the house, allowed an **approximately 10 kWh/sqm.yr decrease in TEDI.**

Scenario 3: Higher Steps

Reaching higher steps (4 and 5) is possible with **C\$9,000 additional investment** in energy-related costs.