



UBC Faculty of Applied Science

UBC School of Law

UBC Faculty of Management

OUR VISION FOR AFFORDABLE HOUSING CONSTRUCTION

Mass customization of homes to meet all kinds of needs across Canada

- community-specific design
- sustainable materials
- cost-effective installation







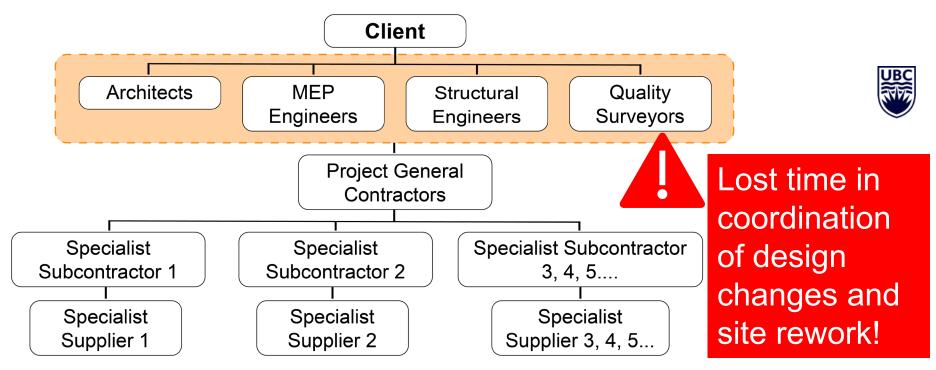
WHO NEEDS KOPPS FOR MASS CUSTOMIZATION?

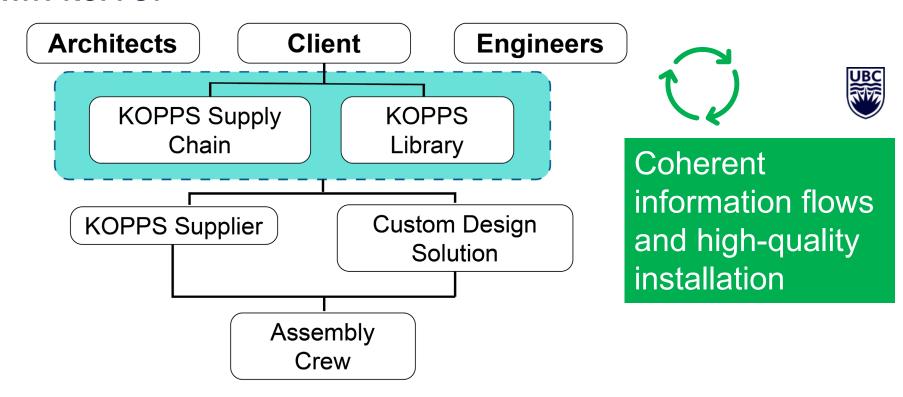




Developers (KOPPS main clients)

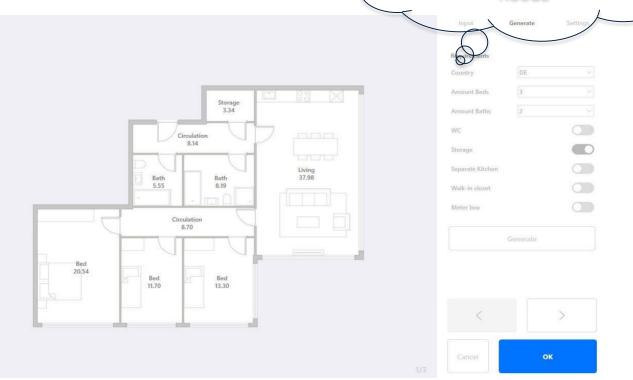
- Municipal developers
- Private developers



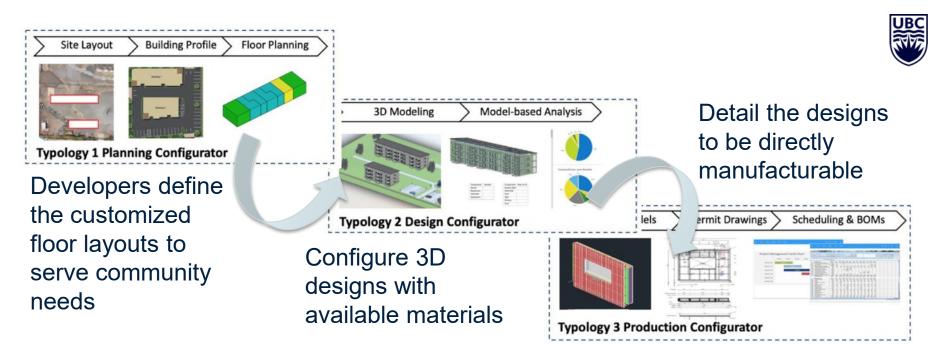


Community-specific design

User-friendly interface: Customizable floor plans to reflect developers' needs



Community-specific design



Sustainable materials

Double Leaf - Outward Opening - Over Panel

Meos Protect



Full visibility of material supplies and design specifications



The OB-72 is the door system that started it all for us. Born after our owners found they could not get great aluminium folding sliding doors for their building projects, their ambitious solution was to create a company capable of manufacturing the UK's best quality doors, that's backed by uncompromising levels of service.

The result was the OB-72, a cleverly designed, beautifully made and exquisitely finished sliding folding door system that features a unique free-glide running system.

Offering sightlines of 72mm and chamfered beading, it provides a more traditional style and given its innate strength, it means that it can accommodate door sets of up to twelve doors in a single configuration, as well as corner and bay set ups.

This download is for the Origin Global, OB-72 Aluminium Bi-fold Door (3+1)

Download BIM

View BIM

Quote Enquiries

Add to Selection

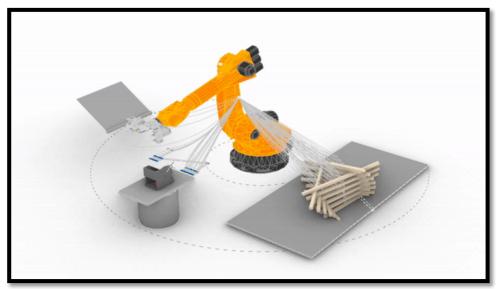
Procurement for Category Pieces Required

View Project

- Cost-effective installation
 - Optimized workflows to reduce defects and rework
 - Less dependent on weather constraints









PLAN 2023-2025



Current: Stage 2

Community engagement

Conversations with communities to identify design constraints Expand community network



Prototype of KOPPS digital platform

- Building KOPPS materials databases
- Integrate design codes and standards
- Simulate digital fabrication processes

Implementation

- Test the solution in a real project with a community
- Scale implementation to more communities



Future: Stage 3

DISCUSSION QUESTIONS

Do you think a model like KOPPS would be effective in your community? Why or why not?



What are major obstacles you expect to encounter using this model in your community?

How can KOPPS be improved to accommodate the local building permit processes?

THANK YOU! Q&A





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