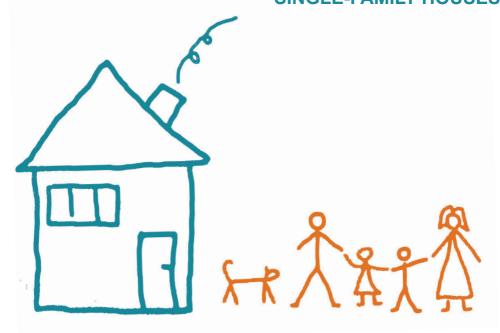






WHAT IS THE MAIN PROBLEM IN DESIGNING SINGLE-FAMILY HOUSES?









WHAT IS THE MAIN PROBLEM IN DESIGNING SINGLE-FAMILY HOUSES?

BY ANJUSCHA HELBIG PHILIPP VEHRENBERG

PROJECT SUPERVISOR ANTON SAVOV

DDU — DIGITAL DESIGN UNIT PROF. DR. ING. OLIVER TESSMANN FACULTY OF ARCHITECTURE

RESEARCH & DEVELOPMENT PROGRAMME SS2017



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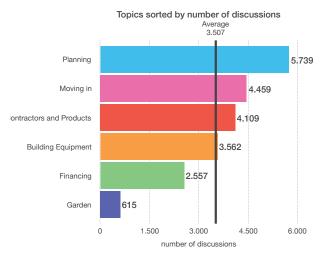
This research project focuses on finding the main problem in the planning phase of the single family housing industry. By looking at the building processes of the industry in Germany, the aim is to find an area for potential improvements in order to find what aspect the design process of a single family home can be improved through digital solutions.

MAIN TOPICS OF CONCERN OF FUTURE / CURRENT BUILDERS

Hausbau forum data

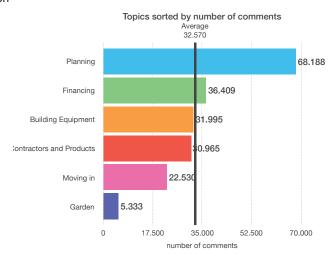
MOST UNCLEAR TOPICS

The amount of questions people need to discuss per topic shows the relative need for clarifcation



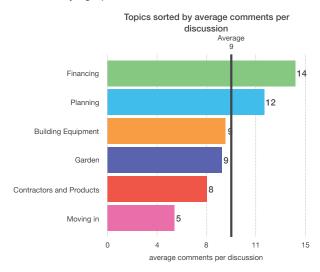
MOST CONFUSING TOPICS

The amount of opinions people exchange on a topic shows the relative amount of confusion

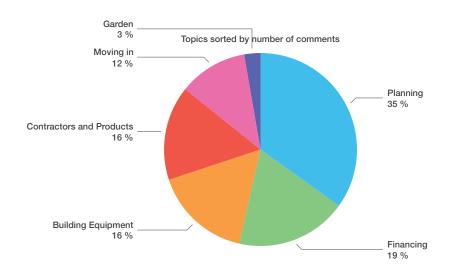


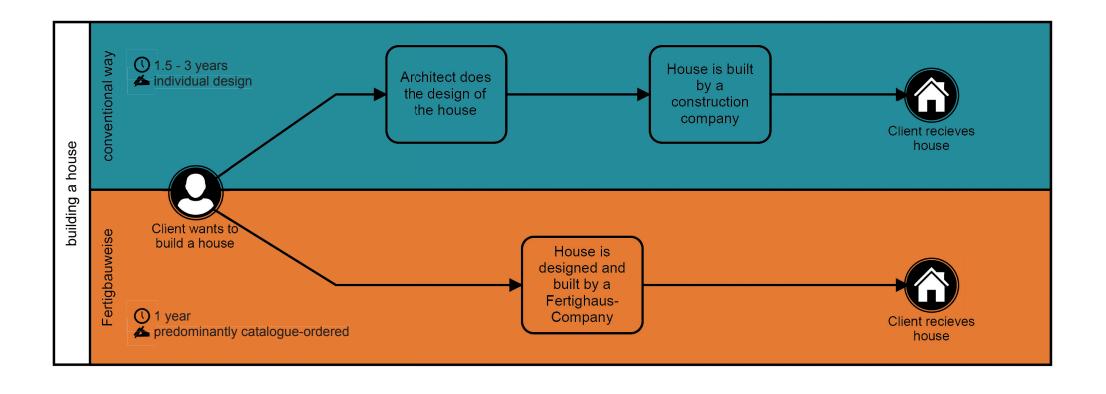
MOST VARYING OPINIONS

The amount of opinions people exchange per question on a given topic could relate to the amount of varying opinions



PERCENT OF TOTAL NUMBER OF COMMENTS ON EACH TOPIC





THE DESIGN PROCESS OF ARCHITECTS AND THEIR MAIN PROB-**LEMS / CONCERNS**

We conducted a survey to get feedback from architects on their methods of design and their main problems during this process. We were able to get answers from 9 different architecture companys and found that many of the answers where the same or very similar.

The answers show that the main concerns and problems are in understanding what the client wants and being able to balance good architecture with the required conditions of the client.

How often do you meet with your client?

-often during the design phase - once every month atleast

How do clients find you?

-word of mouth -Refernzprojekte -Telefonbuch -Internet -Publications

What do the clients bring to the first meeting?

-pictures -drawings

What tools do you use to communicate the design with your client?

-Skizzen -Visualisierungen -Moodboards/Bemusterungen -Modelle -discussions

What makes a well-designed house?

-atmosphere -a clear concept -complex space sequences

-site information -verbal descriptions

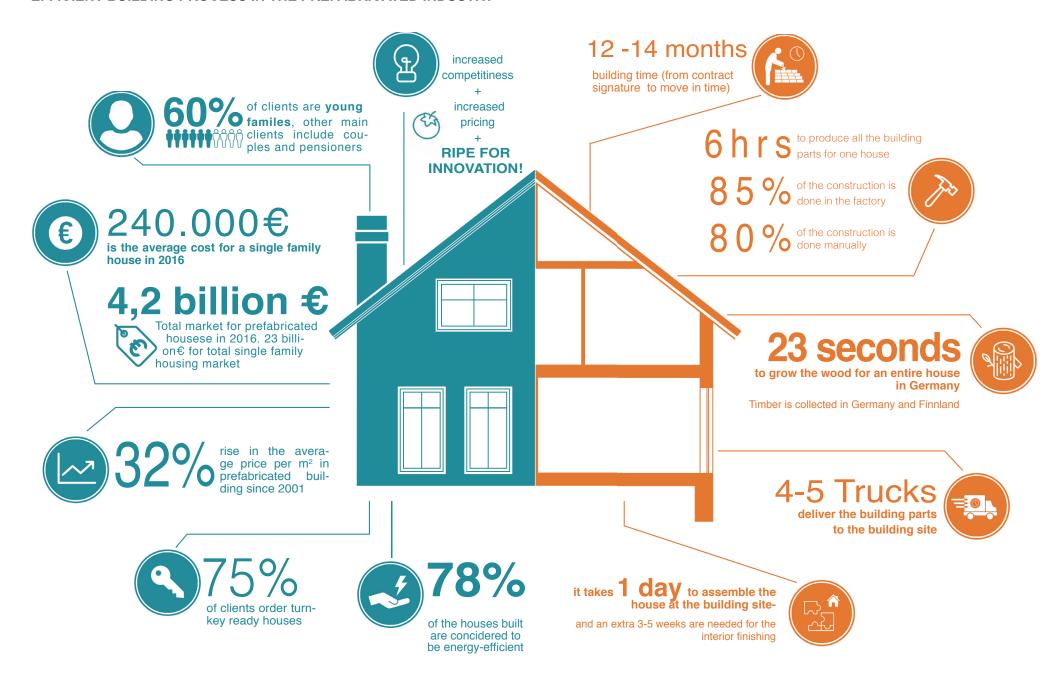
what are your first approaches to designing their house?

-listen, listen, listen -discuss basic parameters -discuss to formulate basis of design -find out architectonische Vorstellungen -analyse building site parameters - site visits

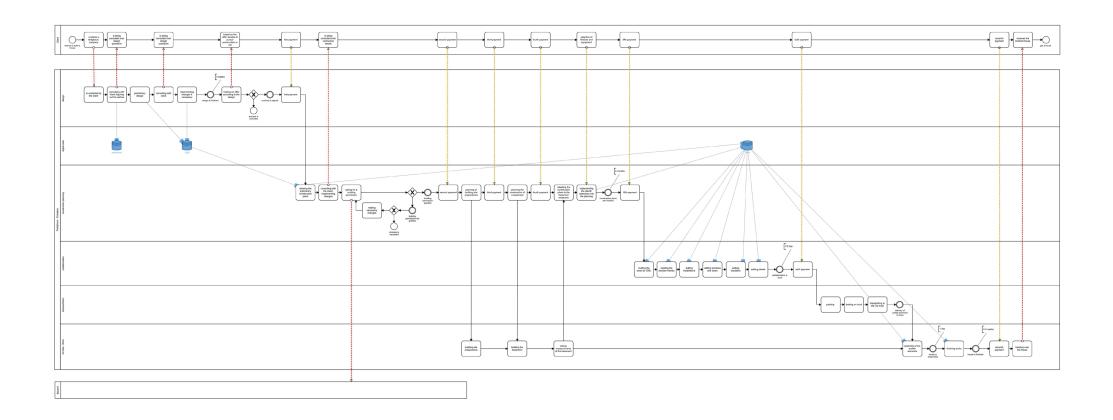
What are the biggest problems in planning the design?

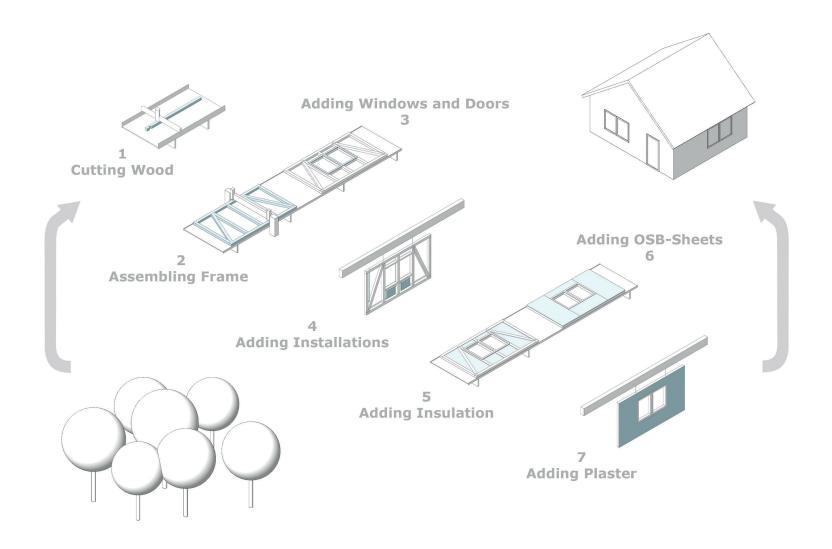
-regulations -many changes from client -teaching the client what good architecture is -communication -the client needs a lot of time to make a descision

EFFICIENT BUILDING PROCESS IN THE PREFABRICATED INDUSTRY

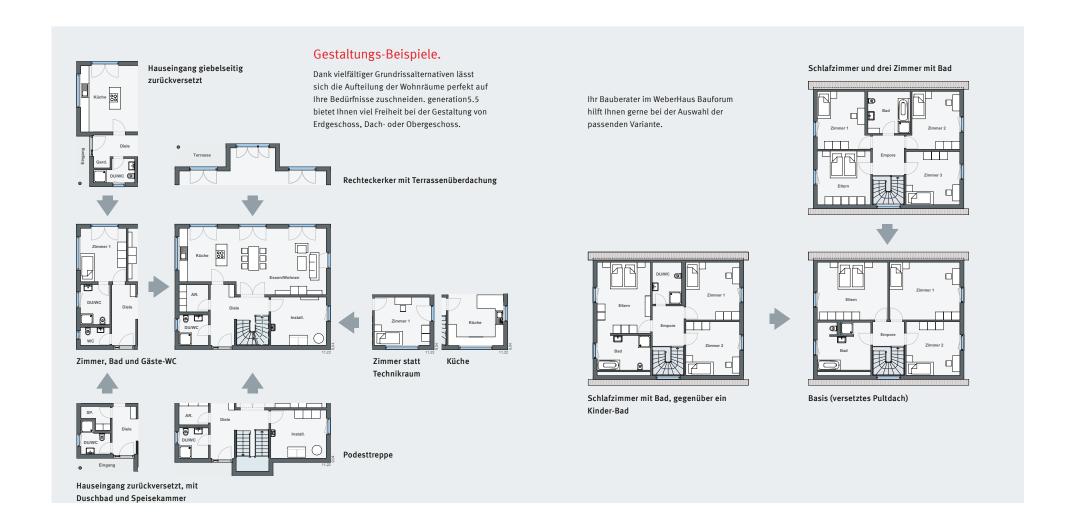


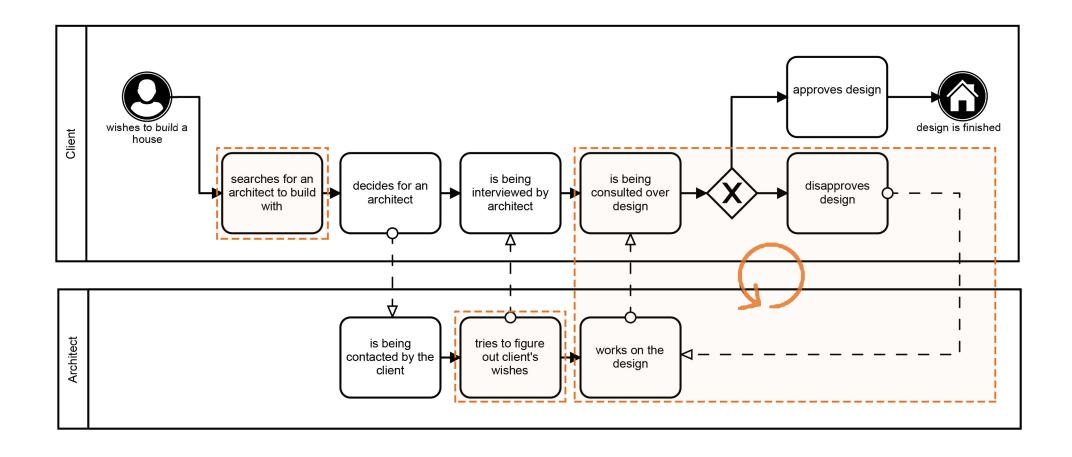
HOW A PREFABRICATED SINGLE-FAMILY HOME IS PLANNED AND EXECUTED





LACK OF INNOVATION AND INDIVUDALISATION IN THE DESIGN PROCESS OF A TYPICAL PREFABRICATED SINGLE-FAMILY HOME





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Site Visits:

Weberhaus, 02.06.2017 Fingerhause, 06.06.2017

THANK YOU FOR LISTENING

