

SceneGen

Marketing Mockup Generator for IKEA



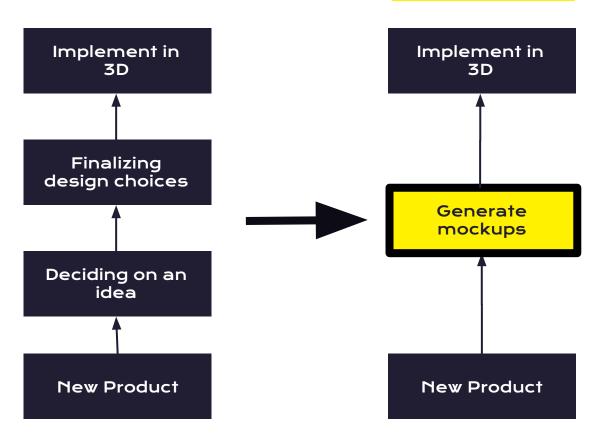
Generation is hard"

Scene designer at IKEA



Current workflow

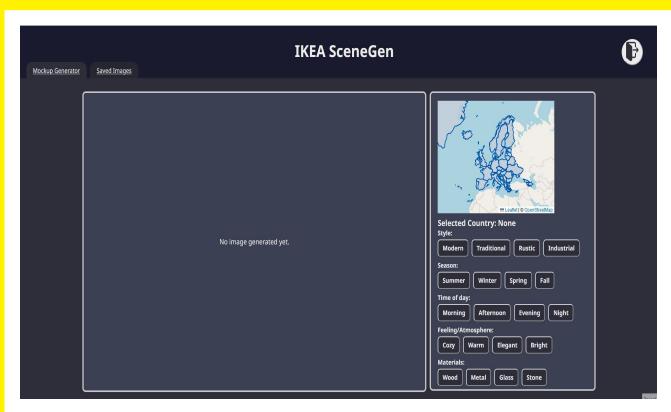
SceneGen Workflow





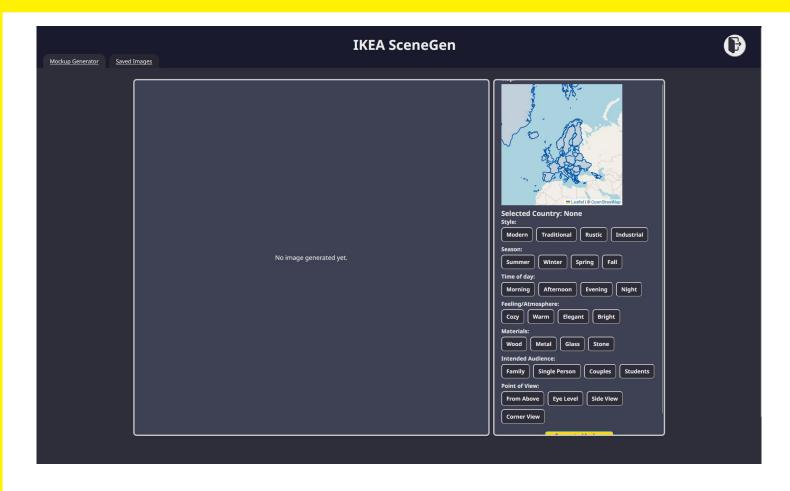
Creating a mockup of:

- "A kitchen for the **Swedish market**,
- aimed at families in a modern style
- which exudes a warm feeling while being set in a winter setting.
- parts of the kitchen to be made out of wood and stone.
- The image should be as if its **taken eye level**"



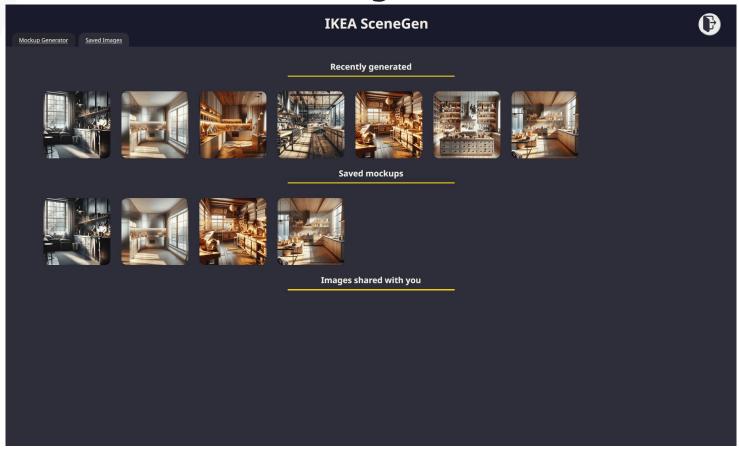


Personal repository of mockups





Share images with your fellow IKEA colleagues





Is it sustainable

IKEA:s Vision

Our solution helps lower costs

AI-Training

Sustainability issue? Not in the long term

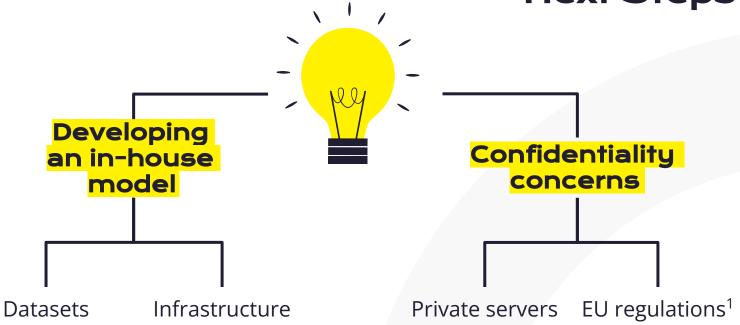
Training a model takes at least 500.000kW/h² comparable to one 7 hour flight² and costs will be spread among users

Image generation cost is 0.011 kW/h as compared to the 0.7-1kW/h draw of a modern computer³





Next Steps





Conclusion

Our Al solution complements IKEA

 Offers a scalable and sustainable way to stay ahead in the European market

Ensures alignment with trends and seasonal changes.



Thank you for listening!

Digitalization and AI in practice - TEK830

Team members:

Checkout our website!

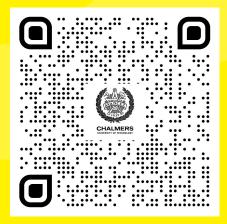
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Costs

Our current application has quite low costs to maintain, OpenAI:s DALL-E model which we use to generate the images, has a low and fixed cost per each request, the only additional cost is for hosting the website. A potential additional cost is if it's decided to fine-tune the model with data from IKEA directly or for hardware to run a model locally.