Interior Design Gensler



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Introduction

By: Sheyla Cabrera

This project will demonstrate how interior designers utilize CAD to organize an indoor space and how we can apply these skills in our CAD. The organization we will be using is Gensler, an interior design program.

Gensler

Gensler is capable to take on the most challenging problems cities are encountering and develop a more resilient and just future for everyone by designing for the human experience



By Lizbeth Rivera



Gensler

"creating a better world through the power of design"

For this online challenge, we decided to research a global architecture, design company's interior design process to help us improve on our CAD design. We chose this company because they have been showing what we can do trough the power of design. Gensler sees design as strategy in action, focused on results. They help their clients achieve their vision for a better future and meet goals by leveraging design's power to generate innovative solutions that impact real transformation. (<u>Gensler</u>)





First Principal Thinking

By Camila Rios

Gensler uses first principle thinking by breaking down their problems into the most simple and basic things. They need to make sure that they get a good understanding of what they need to work in and improve it.

Plan

 By creating branded messages, locations, and experiences that define, inspire, and engage customers, designers, strategists, and programmers contribute to the transformation of a brand's business, culture, and experience through the built environment.

Brainstorm

 Gensler gets a clear idea of what they want and break it down into the basics. Their brainstorm is like the first principle of thinking.



"We must recognize that design is coloring outside the lines." Design can be the great synthesizer. Designers must be idea makers."

—Art Gensler (Creator of Gensler)

By: Sheyla Cabrera

Gensler

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We will now be comparing both and seeing what we can do to improve our CAD skills. Are you ready? Let's begin

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By Camila Rios & Sheyla Cabrera



Design

In designing the façade for Shanghai Tower, a 124level, 2,074 feet Highrise, Gensler introduced a combination exterior and interior curtain wall system totaling 2.26 million square feet of glazing area. This image shows their design process through the building of the popular Shanghai tower that is in Shanghai, China

created for the robot using LCAD design software. We did to have 3D model of our robot. Using CAD allows us to also 3D model prototypes before we engineer. This is part of our design process.

that we









By Camila Rios & Lizbeth Rivera



Gensler's work and clients span practically every market segment and geographic boundary, giving them Product Development practice the rare ability to unlock the potential of cutting-edge technology, novel materials, and changing consumer demands. Gensler makes plans for some buildings digitally as well as how the building would be built and how they would design it interiorly.





We found out that we constantly had to make many changes to improve our robot. We had to frequently test and adjust our robot accordingly. We had to have the necessary materials to be able to fix the problems and conflicts we encountered. We have plans on what we want to build, we then model and test our prototypes.

By: Sheyla Cabrera

Main purpose/goal



The main purpose/goal of Gensler is to create a virtual blueprint of a new building that is being created. The CAD files make it easier in many ways. For example, they have easier access the blueprints, it is safer, it won't get lost, everyone can make a copy, etc.



In Vex The Design Award is presented to a team that demonstrates an organized and professional approach to the design process, project and time management, and team organization. Our main purpose/goal is to create a step-by-step build instructions of our robot. Using cad we believe we demonstrate a top tier approach to the design process.

How can we learn from them?

• All this information can help us improve this year in many ways. For example, by knowing that the first thing they do is break down all the big problems into smaller problems, we can use this when using CAD. If we ever come across a difficult problem, then we can break them down into simpler problems and figure out how to solve those by looking at our design from different points of view. We can not only apply this to problem solving, but to everyday life.



By Sheyla Cabrera & Camila Rios

• "Everything we are today is attributable to our clients — not just because they give us the opportunities, but because they encourage us to learn from them, grow with them, go with them across the country and then across the globe."

> - Art Gensler Our founder & Friend

> > By Camila Rios

How can this benefit VEX in the future?

During Competition

Gensler often has competition among other interior design companies. This makes the company more motivated to be at the top and fix any problem they might have. The same goes for us. We often have competition, and we need to work hard to be the best that we can. We use our CAD models to have pride in our work and a competitive edge.

Our Skills

In our robotics team, we look at each person skills and strong suits. We then put them into a designated job that is best fit for them and the teams. This helps us show our strengths and work together as a team. Gensler works together as a whole, and each person has their own skills put to work.

Gather Information

To keep track of everything we need, and of all the information, we need to keep ourselves organized. In any interior design company, there is always need to have some level of organization to work. Similarly, we document everything we do during the season in our Engineering Notebook.

Resources

Website Resources

- https://www.gensler.com/gri
- <u>https://challenges.robotevents.com/upl</u> <u>oads/0020755_original.pdf</u>
- <u>https://www.gensler.com/about</u>
- <u>https://www.gensler.com/sustainability/clim</u> <u>ate-action-through-design-2022</u>

Image Resources

- https://www.gensler.com/projects/urban-awning?l=featured
- <u>https://www.gensler.com/projects</u>
- <u>https://stock.adobe.com/images/</u>