MISSION 2130
CODE RED CHARRETTE TOOLKIT

Contents

Introduction

The YAF designed 'Code Red Charrettes' to crowd-source future risks and opportunities related to the built environment's connection to planetary and human health.

What will the world look like in 100 years? How will the profession of architecture evolve to meet the demands of our future communities and climate? What technology needs to be invented to support these efforts? How can we shape the future of our global society to ensure a prosperous place for those who will live here?

The Mission Control team has identified three overarching topics for the Code Red Charrettes to help organize the many unique analyses that will occur.

Code Red: Architecture

This topic includes but is not limited to the areas of the built environment, the power of design, technology, automation, workforce pipeline, infrastructure, etc.

Code Red: Society

This topic includes but is not limited to the areas of community engagement, social justice, human health, workforce, unity without uniformity, the power of design, etc

Code Red: Planet

This topic includes but is not limited to the areas of ecological health, sustainability, the power of design, global net zero, transportation, protecting natural habitats, etc.

Related Events

There are several ways you can participate in this initiative.

April 5–7, 2022: Virtual Code Red Charrettes:

- The YAF hosted a series of robust virtual conversations implementing the 'Code Red Charrette' initiative.

- Goal is to obtain a diverse range of input and ideas under the overarching topics of: Architecture, Society, and Planet.

- Participants were divided into small pods to engage in a SWOT (strength, weakness, opportunity, threat) analysis focused on the future of our world.

- The results of these charrettes were the vital first step towards determining the launch topics for the. Mission 2130 – YAF Summit 30 in-person event in August.

April 11–May 1, 2022: Expanding the Charrettes:

- Designed to expand the conversation and gather input from a broader audience base. Anyone with an interest in architecture, the built environment, the power of design, engineering, community engagement, social justice, our planet, climate, science, or technology to participate.

- Complete this activity with a group of peers, colleagues, family members, or people you have never met before.

- Uploads received by **5:00 p.m. ET on May 14, 2022** will be reviewed by the Mission Control team for integration into the Mission 2130 launch topics.

- Select uploads will be broadcast on YAF social media and one SWOT team member could land a spot at the Mission 2130 – YAF Summit 30 event!

August 25–27 2022: Mission 2130 – YAF Summit 30 Event:

- Designed as a catalyst to reevaluate the needs of young architects and push boundaries to propel the profession forward.

- Application–based event will bring 50 industry professionals together and challenge them to imagine what the world will look like in 100+ years.

- This future forward event will be centered on the outcomes captured from the charrettes.

- The event will consist of a series of plenary sessions where attendees will hear from future forward thinkers to inspire and galvanize the attendees. The plenaries will be paired with small group working sessions where attendees will develop strategies and innovative ideas around the goals of the event.

- Application opens May 16, 2022.

± 5 min

Prepare for the Code Red Charrette

Invite the participants and organize the meeting.

☐ **IDENTIFY** 3–6 individuals to participate. These could be peers, colleagues, family members, or people you have never met before!

The goal is to obtain a diverse range of input and ideas

☐ **REVIEW** this toolkit in its entirety, especially the SWOT Analysis Overview in Step 3 if you have not completed one before.

Refer to the 'Sample Invitation & Talking Points' below to help craft your message.

☐ **SCHEDULE & SEND** invitations for a virtual, in-person, or hybrid meeting. We recommend allowing for 45 minutes to 1 hour to complete this entire activity.

Some groups may not need that entire time while others may opt to extend that time.

Sample Invitation & Talking Points

The AIA's Young Architects Forum just released their 'Mission 2130: Code Red Charrette Toolkit' to expand upon their YAF Summit 30 initiative to crowd-source risks and opportunities related to the year 2130 and the built environment's connection to planetary and human health.

I am excited about this opportunity to help to shape the future of our global society and your unique perspective would be valuable to this initiative!

Their goal is to obtain a diverse range of input and ideas. The toolkit is open to anyone with an interest in architecture, the built environment, the power of design, engineering, community engagement, social justice, our planet, climate, science, or technology to participate.

Attached is their toolkit for your reference. If you are interested, please give me a few dates in next week that you are available for a 1-hour block of time for this exercise.

Toolkit uploads received by 5:00om ET on May 14, 2022 will be reviewed by the Mission Control team for integration into their Mission 2130 launch topics. Select uploads will be broadcast on YAF social media accounts and one lucky SWOT team captain could land a spot at the YAF Summit 30 - Mission 2130 event

Instructions & Topic Selection

Once in your group meeting, run through the list below to get organized for the charrette.

☐ **TIME** Have a timer ready to be set for each step to keep the group on track. Feel free to extend the time given as you see fit based on your group's availability.

SELECT one overarching topic from below as a group to guide your conversation:

☐ Code Red: Architecture

   Subtopics include but are not limited to the areas of the built environment, the power of design, technology, automation, workforce pipeline, infrastructure, etc.

☐ Code Red: Society

   Subtopics include but are not limited to the areas of community engagement, social justice, human health, workforce, unity without uniformity, the power of design, etc.

☐ Code Red: Planet

   Subtopics include but are not limited to the areas of ecological health, sustainability, the power of design, global net zero, transportation, protecting natural habitats, etc.

☐ **IDENTIFY** 1–2 individuals from the group that will be responsible for writing down the key points of the conversation on the SWOT Analysis form.

Review the SWOT Analysis sample on page 10 as necessary.

☐ **LISTEN** to an aspirational message from the AIA's 15th EVP / CEO Lakisha Woods, CAE to help set the stage for this charrette:

   https://www.youtube.
   com/watch?v=g-
   yBBGbehmY&feature=youtu.be

☐ **EXPLORE** What the future could look like in your own mind during Step 1 and individually build upon this vision in Step 2. Fill out the SWOT Analysis form as a group during discussion time in Step 3.

☐ **RECORD** key points of the conversation on the SWOT Analysis form in Step 3.

A .pdf or .jpeg file will need to be uploaded to the Mission Control team, but this can be accomplished in a variety of ways including:

• Printing the SWOT form and physically write on it;
• Writing on sticky-notes and place them on a printed SWOT form;
• Opening the SWOT form in a computer program to type on it;
• Using another method of taking notes in the four SWOT categories on the form.

☐ **SUMMARIZE** the conversation key points in the Step 4: Debrief & Upload.

☐ **UPLOAD** the SWOT Analysis form to the Mission Control team by **5:00pm ET on May 14, 2022.**

See Step 4 for instructions. Select uploads will be broadcast on YAF social media and one SWOT team member could land a spot at the Mission 2130 event!

± 5 min

Step 1: Time Warp

Given how much can change over the span of just 10 years, it can be difficult to imagine what the world could look like 100 years from today.

Take a few minutes to individually reflect upon the questions below to paint a mental picture of what the world could be like in the year 2130. Feel free to take personal notes based on your thoughts as we prepare for Step 2.

- What is one thing about today's world that you hope will remain in 2130?

- What is one thing about today's world that should not exist in 2130?

- What is one step that you think needs to be made to ensure a future that is healthy, safe, and prosperous for everyone that lives on this planet?

- What technology needs to be invented to support these efforts?

- In 2130, how could our daily lives have evolved from what we know today? What has catalyzed that evolution?

- In 2130, what types of climates exist and what do their respective vegetation look like?

- In 2130, what materials could be used for buildings?

- In 2130, do humans live in mega cities on land, do we live in specialized underwater metropolises, or do we live in another form of development?

- In 2130, is every facet of our routine automated?

± 5 min

Step 2: Travel Into the Future

Build upon your vision from Step 1 as we prepare to shape the future in Step 3.

Independently review the questions under your overarching topic below to expand upon your vision of the future from Step 1. Consider the overlap between Code Red topics. Be ready to discuss the questions from your specific overarching topic as a group in Step 3.

Code Red: Architecture

This overarching topic includes but is not limited to the areas of the built environment, the power of design, technology, automation, workforce pipeline, infrastructure, etc.

- What will the built environment look like in 100 years?

- How will design and construction process evolve to meet the needs of the future in 2130?

- How will architects/designers/engineers change the way that they practice to ensure a positive future for society?

- What could buildings look like in 2130? What physical products, materials, and methods will be developed to realize this vision?

Code Red: Society

This overarching topic includes but is not limited to the areas of community engagement, social justice, human health, workforce, unity without uniformity, the power of design, etc.

- What role(s) will the architect and/or design play in the society of 2130?

- Do issues of social justice, racism, and inequities exist in 2130?

- What will the new social trends be? How will education, process, and problem solving adapt to meet these changing societal trends?

- Are architects more or less relevant to the health, safety, and welfare of their communities?

Code Red: Planet

This overarching topic includes but is not limited to the areas of ecological health, sustainability, the power of design, global net zero, transportation, protecting natural habitats, etc.

- What does the climate of 2130 look like? How will the built environment evolve to accommodate this?

- How has the concept of sustainability evolved to accommodate the physical environment of 2130?

- Is there such a thing as climate change in 2130? If yes, what does that look like?

- What role do architects play in crafting policy and leadership in climate action?

20-30
min

Step 3: SWOT Analysis

Help shape the future as we imagine the world in the year 2130 by analyzing potential strengths, weaknesses, opportunities, and threats.

Already familiar with what a SWOT Analysis is? Continue to the SWOT form on the next page.

Not familiar with a SWOT analysis or need a refresher? Briefly read through this page before proceeding.

A SWOT analysis is a useful tool for evaluating different things. During this exercise, an individual or group of individuals zoom in on the strengths, weaknesses, opportunities available, and potential threats of a particular item or idea.

Strengths

What strengths does the item or idea have now and how will these strengths evolve moving forward?
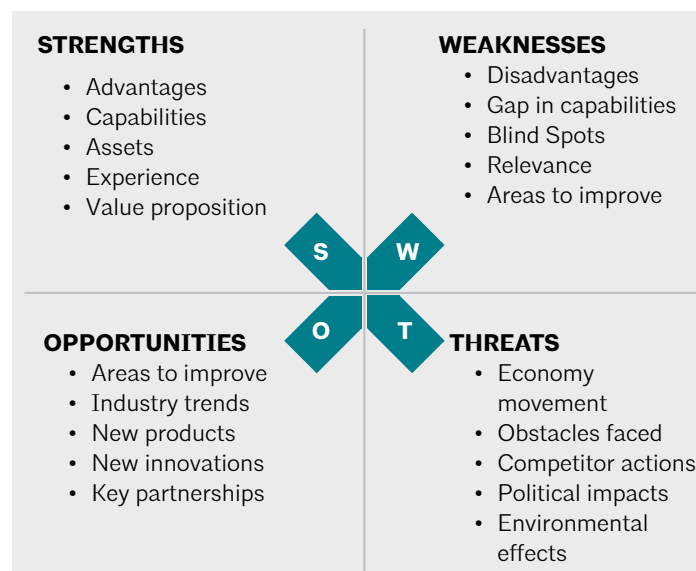
Weaknesses

What are the deficiencies in the item or idea? Which areas should be improved first?

Opportunities

How can the item or idea leverage partnerships and new innovations to grow? Which other segments or industries could this include in future?

Threats

Are there external factors (controllable and uncontrollable) that could potentially stifle growth?

STRENGTHS

- Advantages
- Capabilities
- Assets
- Experience
- Value proposition

WEAKNESSES

- Disadvantages
- Gap in capabilities
- Blind Spots
- Relevance
- Areas to improve

S   W

O   T

OPPORTUNITIES

- Areas to improve
- Industry trends
- New products
- New innovations
- Key partnerships

THREATS

- Economy movement
- Obstacles faced
- Competitor actions
- Political impacts
- Environmental effects

SWOT Analysis Form

Circle your overarching Code Red topic below and identify your subtopic. Discuss the questions outlined in Steps 1 and 2 as a group and see where the conversation goes. Extend the 20-30 minute time as needed.
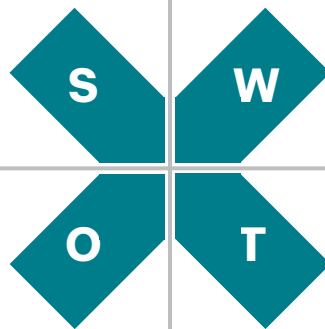
Architecture
in 2130

Society
in 2130

Planet
in 2130

Subtopic: _____

STRENGTHS   **WEAKNESSES**

OPPORTUNITIES   **THREATS**

± 10 min

Step 4: Debrief & Upload

Refine your SWOT into one priority item from each quadrant. Synthesize each priority item into 1-3 words.

ANALYSIS DEBRIEF:

Your group has just finished writing on the SWOT Analysis form. Now consider the following four questions:

1. What does your group perceive to be the most impactful strength?
   - Circle this priority item in the STRENGTH quadrant of the SWOT form.
2. What opportunity could be a 'game changer'?
   - Circle this priority item in the OPPORTUNITY quadrant of the SWOT form.
3. What singular weakness could prevent that opportunity from being realized?
   - Circle this priority item in the WEAKNESS quadrant of the SWOT form.
4. What threat could dismantle everything?
   - Circle this priority item in the THREAT quadrant of the SWOT form.

Review the priority items your group just circled.

If necessary, synthesize each priority item into 1-3 words each before uploading to Mission Control.

UPLOAD BY 5.14.2022:

Take a photo, scan, print to PDF, or save an image of your SWOT Analysis form.

Open the web browser of your choice and fill out the brief form found by accessing this URL:

https://forms.gle/STbk7BWweZ28u7Jw8

The brief form will ask for some general demographic information from your group to help the Mission Control team ensure we are hearing from as many voices and perspectives as possible.

WHAT COMES NEXT?:

Applications for the Mission 2130 in-person event will open on May 16, 2022. We hope to see you there!

THANK YOU

FOR HELPING US SHAPE THE FUTURE!

Young Architects Forum

AIA Member group