KAHA

Meet the KAHA team

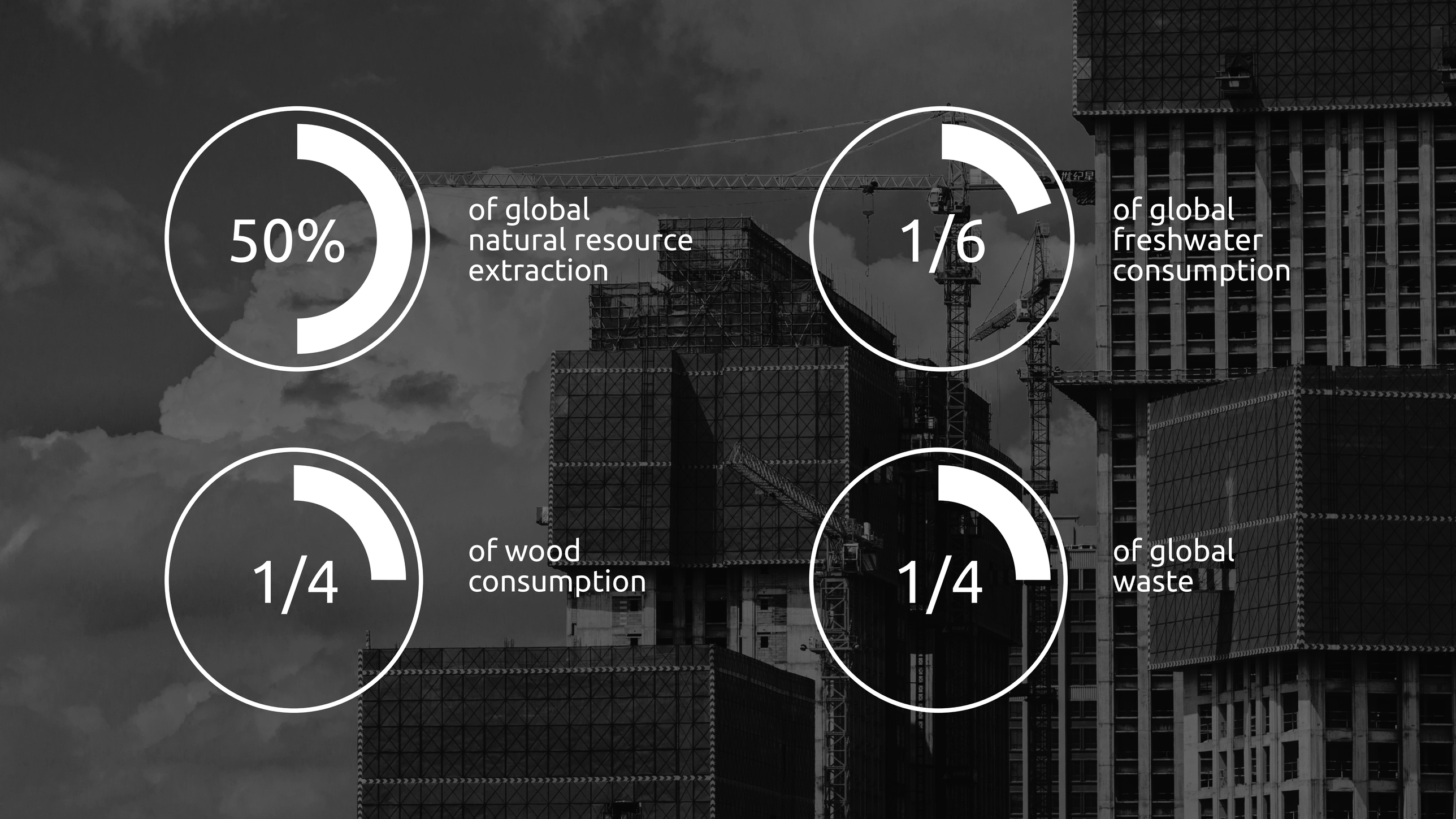
Angel Saucedo
Industrial Design

Lara Kim
UX Design

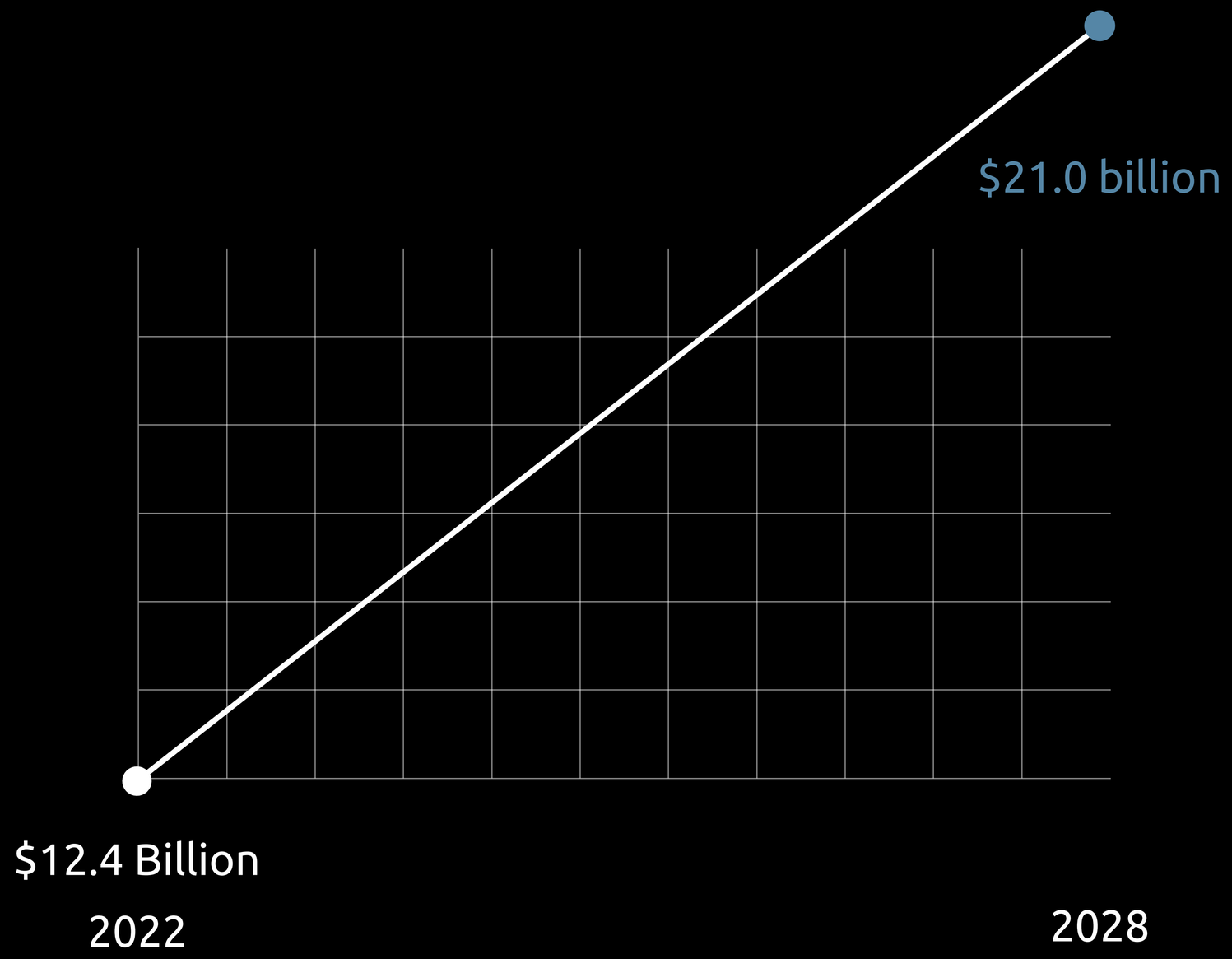
Tiffany Tawil
Industrial Design

Construction

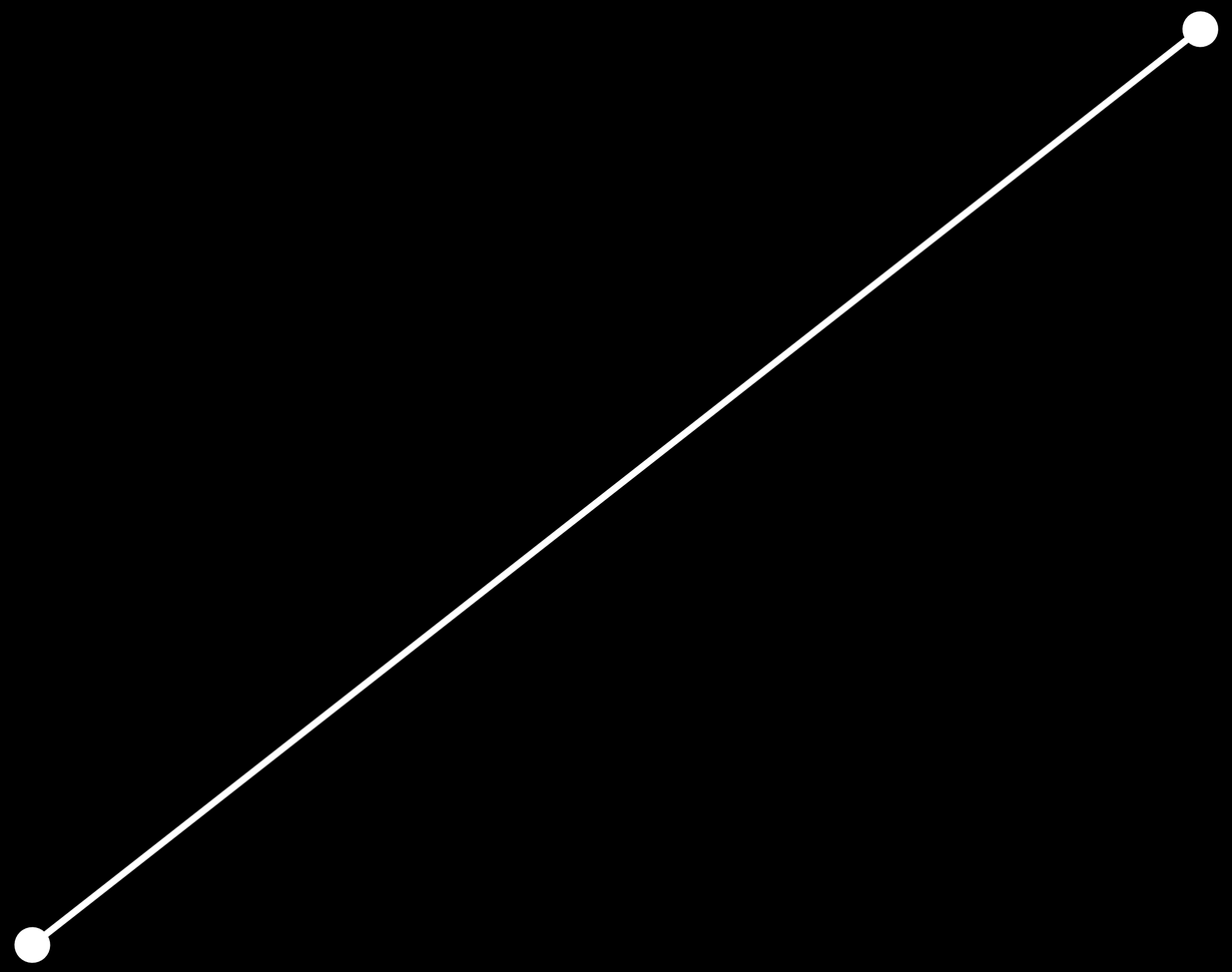
3rd most polluting industry


50%
of global natural resource extraction
1/6
of global freshwater consumption
1/4
of wood consumption
1/4
of global waste

Market Size Value & Revenue Forecast



Market Growth



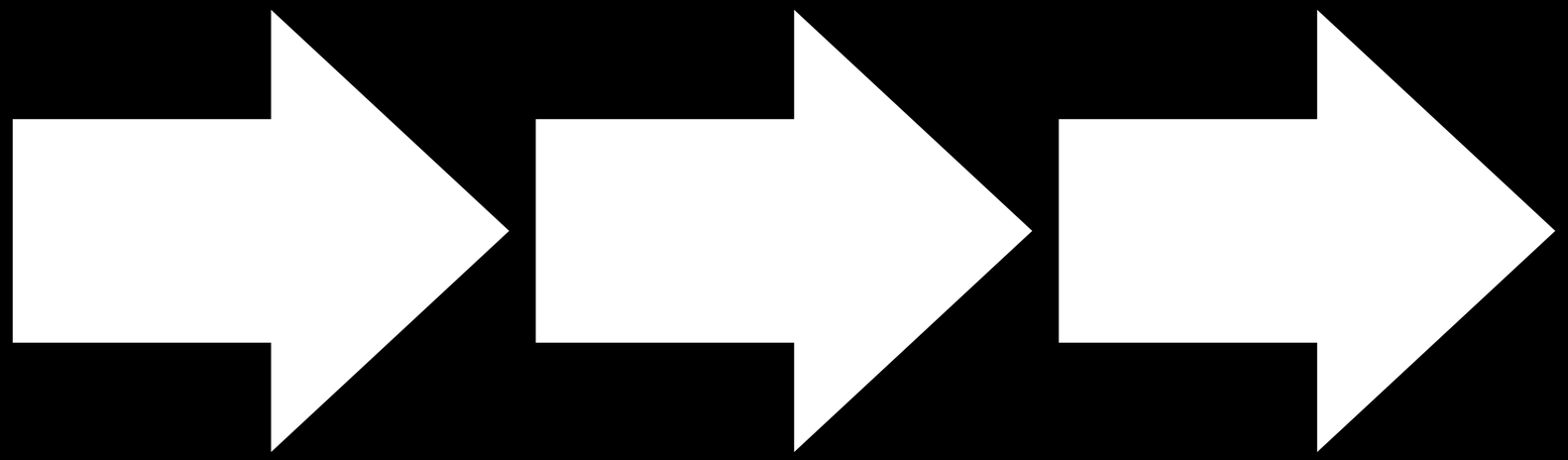
+ 9.26%

Compound Annual Growth Rate (CAGR)

Mundane **MAN**ual process

Errors

Construction Economy



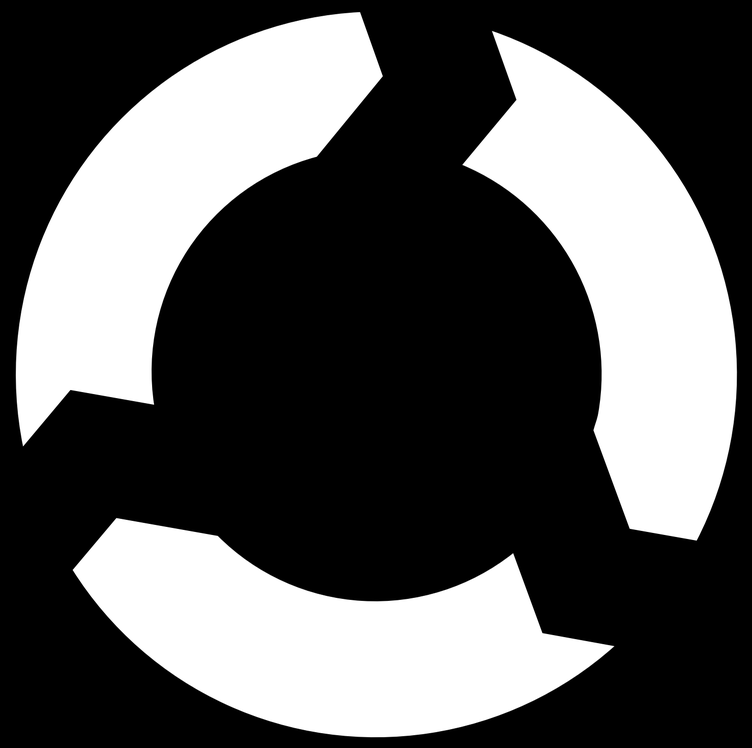
Plan, prepare materials

Refine materials, construction

Waste in landfills

Construction Economy

Plan, Prepare,
Process materials



Construction

Waste in landfills

Construction Economy

Plan, Prepare,
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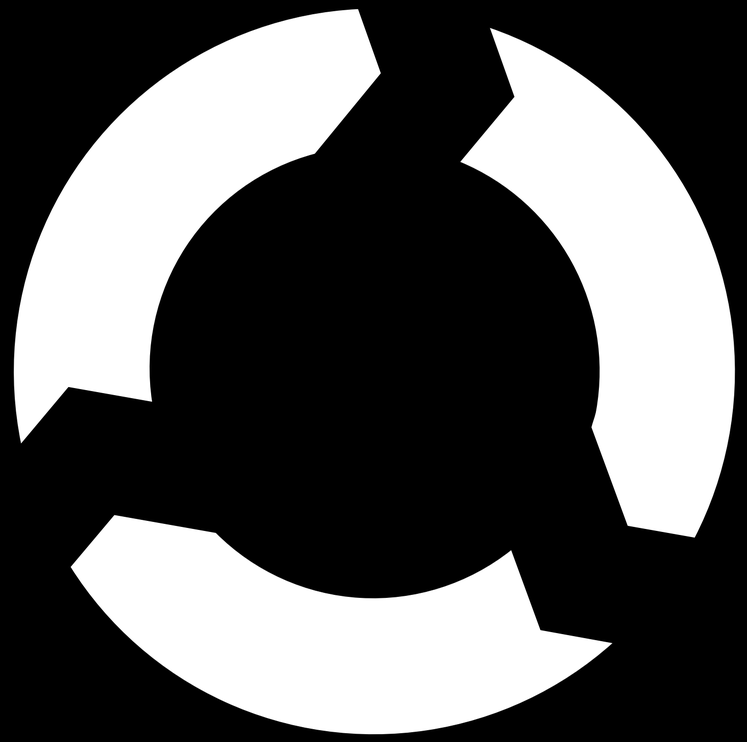
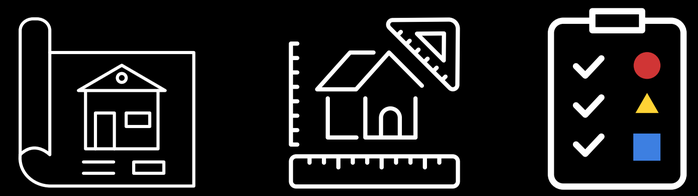


Construction

Recycle & reuse materials

How might we
optimize the construction process
that is sustainable for the market and the planet?

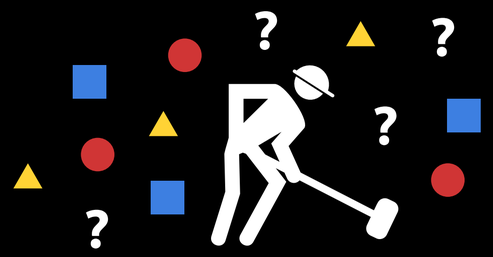


Plan

- Process the blueprints and specs and determine list of materials (size and amount)
- Create rough plan with unspecific goals

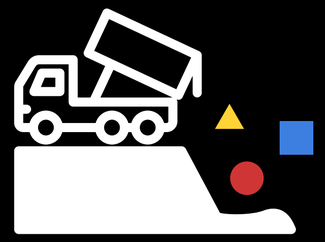
Process

- Outsource standard pre-cut materials and raw materials in bulk (merge orders)



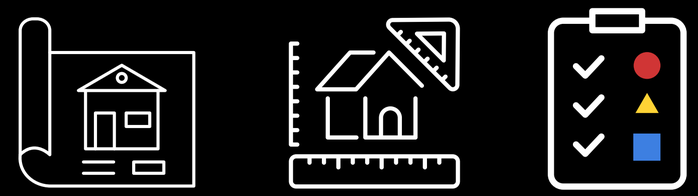
Construction

- Refine and maintain materials



Waste Management

- Dispose waste to landfills



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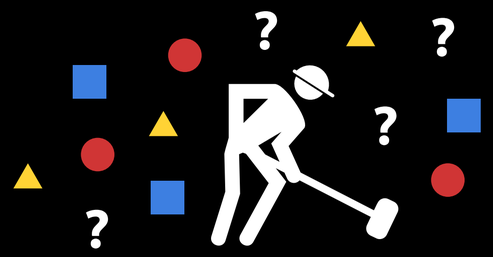
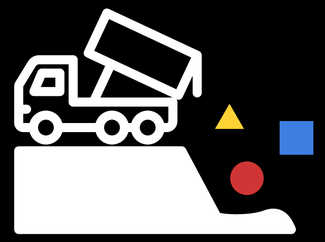


Construction

- Refine and maintain materials

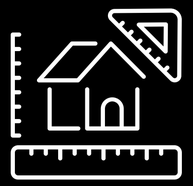
-40%
of the time



Waste Management

- Dispose waste to landfills

-37%
of the materials



Plan

- Determine list of materials
- Create daily quotas

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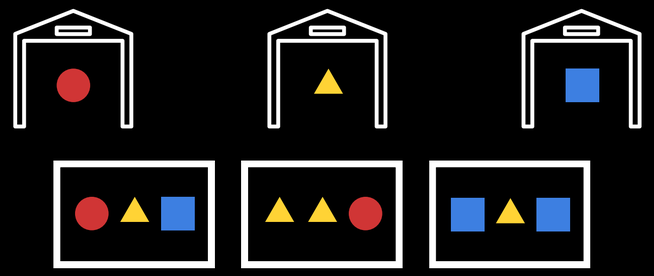
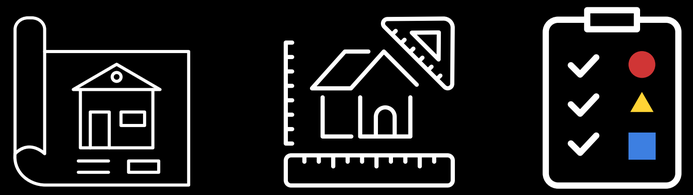


Process

- Outsource standard and raw materials
- Refine materials and manage waste
- Transfer and store to KAHA facility
- Organize the refined materials



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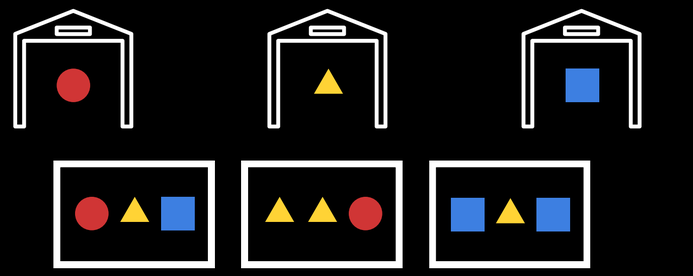

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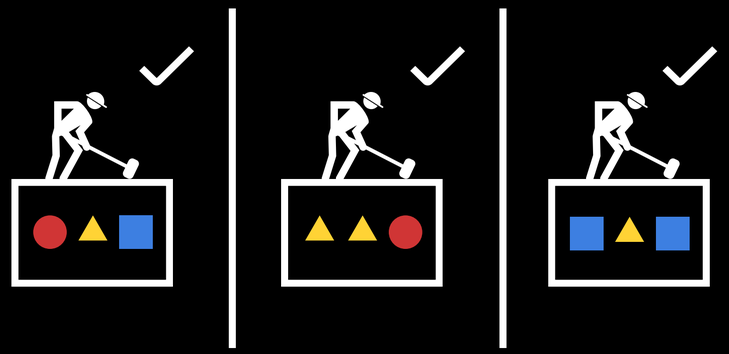
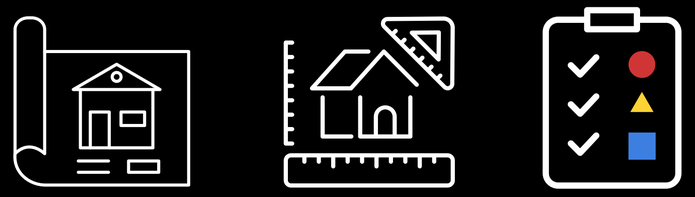


Construction

- Transport materials
- Construct



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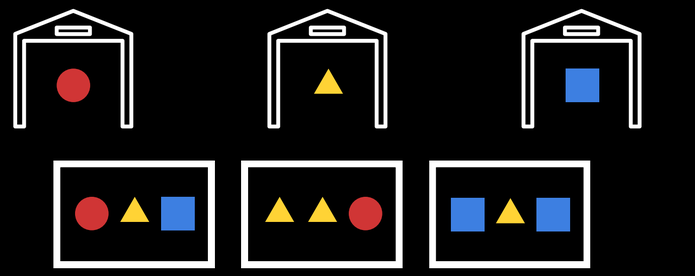

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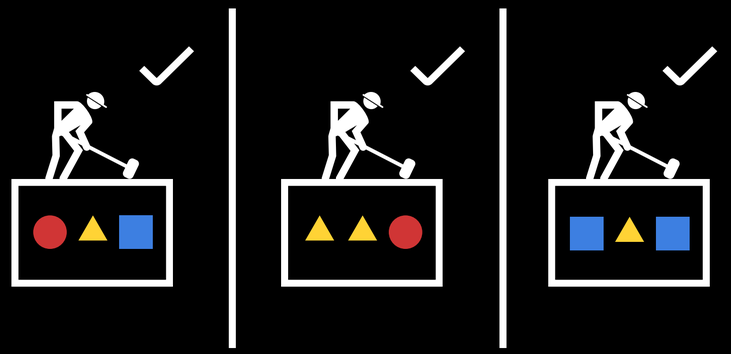

Construction

- Transport materials
- Construct

Waste Management

- Send excessive waste to KAHA facility for recycle

KAHA

KAHA
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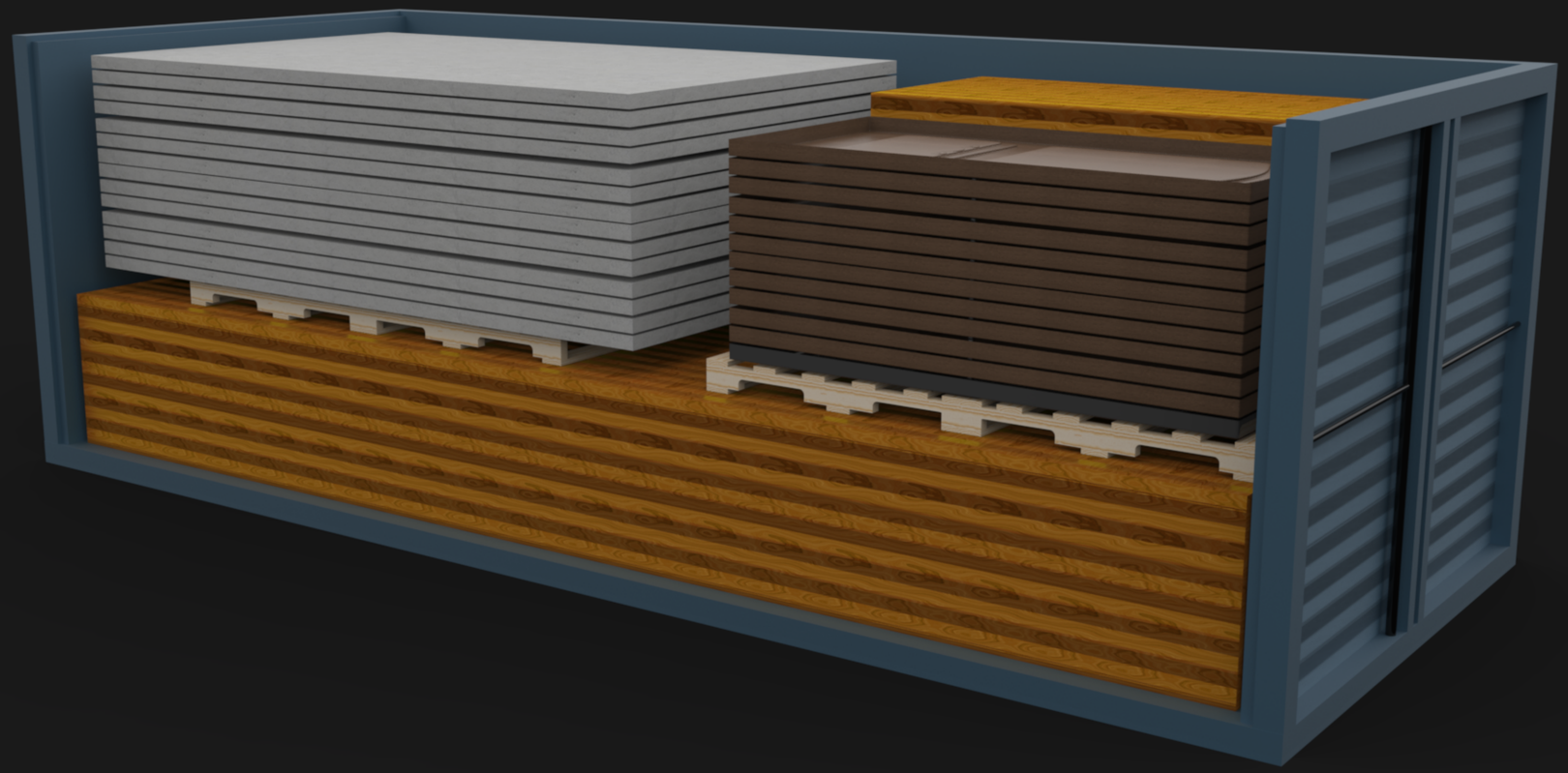
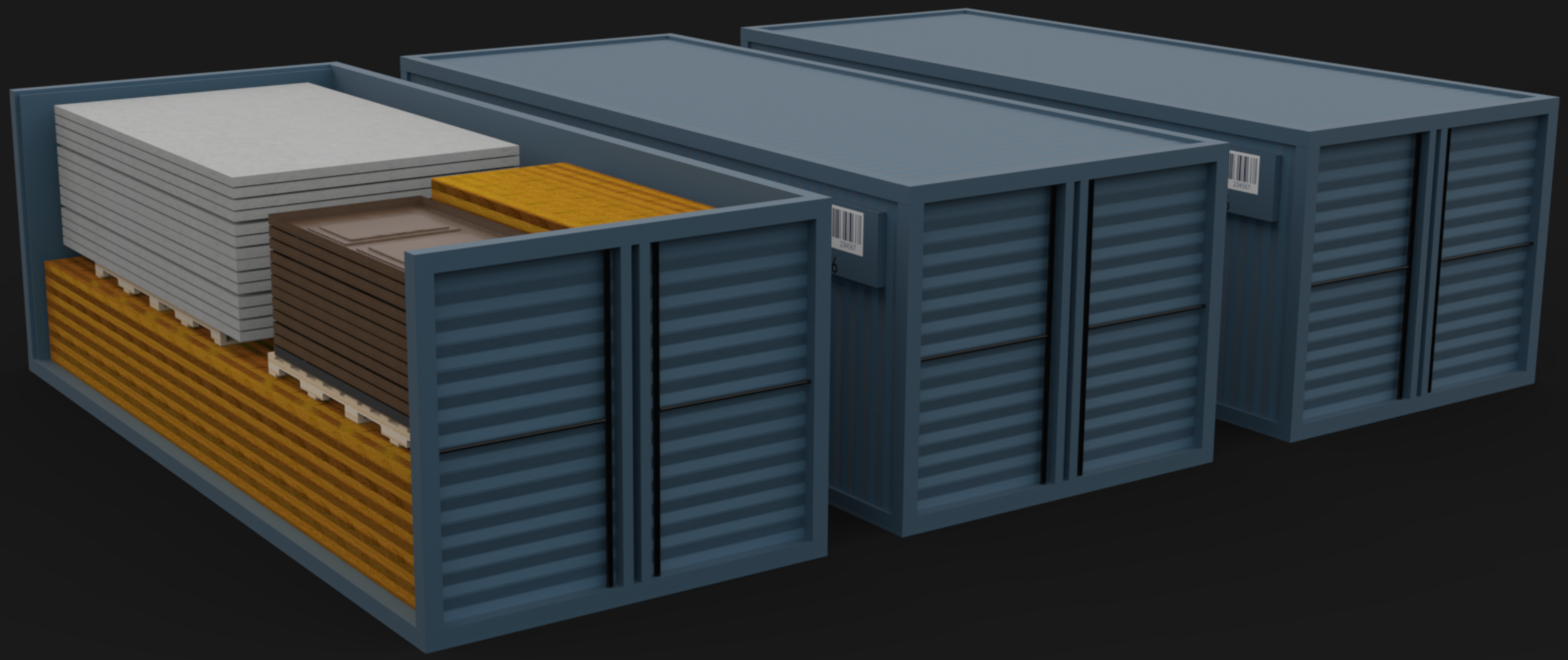




Management

Organization

Waste

Time

Labor

OPTIMIZATION

Business Model

Cost Structure

- Outsoure of raw materials
- Refininement and organization , transportation and storage using electric trucks
- Waste management and recycling

Key Metrics

- Customer acquisition
- Cost retention rate
- Spec list of materials for management
- Waste reduction
- Labor cost savings
- On-time delivery

Problem

Manual processes and poor management in the construction industry result in wasted materials, errors, and inefficiencies, leading to increased costs and longer project timelines

Revenue Streams

Charging construction companies for our services based on the amount of materials they require and the scope of their projects

Consumer Segment

- Construction companies that require efficient and sustainable supply chain management and optimization
- Most optimal for individual home construction

Unique Value Proposition

KAHA offers construction companies a more efficient and sustainable supply chain management solution that reduces waste, errors, and labor costs while providing a daily plan and quota for workers to increase productivity and motivation

Solution

KAHA is a streamlining system of the supply chain by organizing and managing materials from multiple suppliers, creating a daily plan with a quota for workers, and delivering materials to construction sites. This reduces waste, errors, and labor costs, resulting in a more efficient and sustainable construction process

Channels

- Online channels: website, social media, email marketing, and search engine optimization
- Offline channels: networking events, trade shows, and partnerships with construction companies

Potential Partners

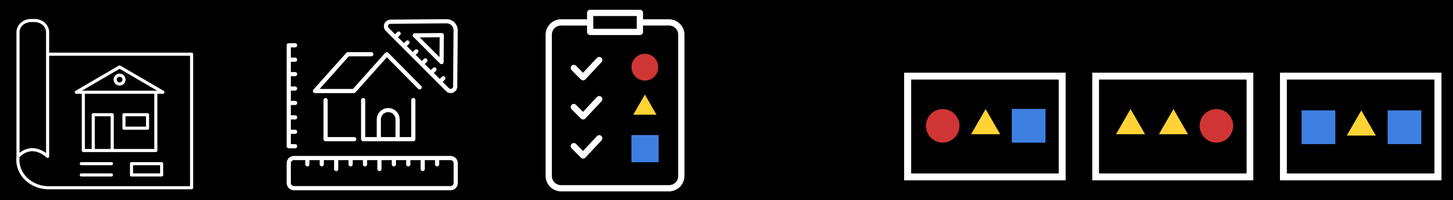
- Construction companies to integrate our system with their processes and increase our reach
- Companies in the construction industry that can provide raw materials and support our supply chain

Unique Advantage

Use of electric trucks for transportation and recycling excess materials sets us apart from traditional construction industry practices, making us a more sustainable and environmentally friendly option

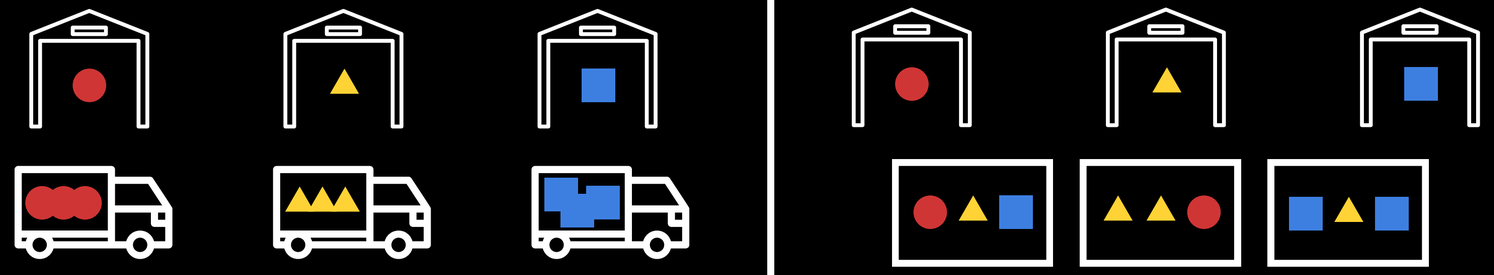
Plan

- Process the blueprints and specs and determine list of materials (size and amount)
- Create day-to-day plan with a daily quota with necessary materials for the day



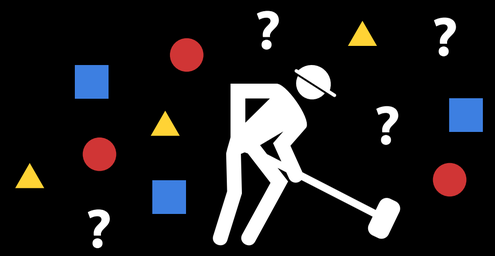
Process

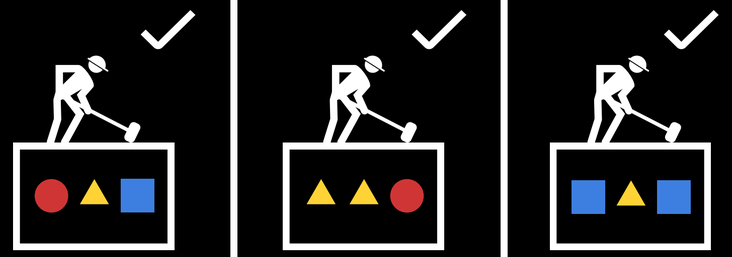
- Outsource standard pre-cut materials and raw materials in bulk (merge orders)
- Refine materials
- Transfer and store to KAHA facility
- Organize the refined materials in containers with labeling systems



Construction

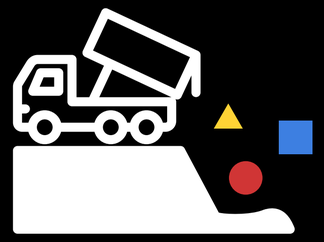
- Deliver scheduled containers with materials and goals for the day with electrical trucks





Waste Management

- Store excess material into respective recycling bins to be reused



How do we actually
- tackle an industry that has been the same. this?

ter?

rtner up with pre-existing manufacturing companies and store the
an organized way

//

program that directs and sorts through the specs and blueprints a
gives a list of material and it's size etc...
and merges orders to optimize production / m

buy material in bulk to reduce cost and use a program to arran

onto the material in the most space-efficient way.

e organize the waste in a way that's easy to send out to recycling

use the most efficient cutting tools that do not create waste in comparison

→ laser cutting
→ saw
→ water jet.

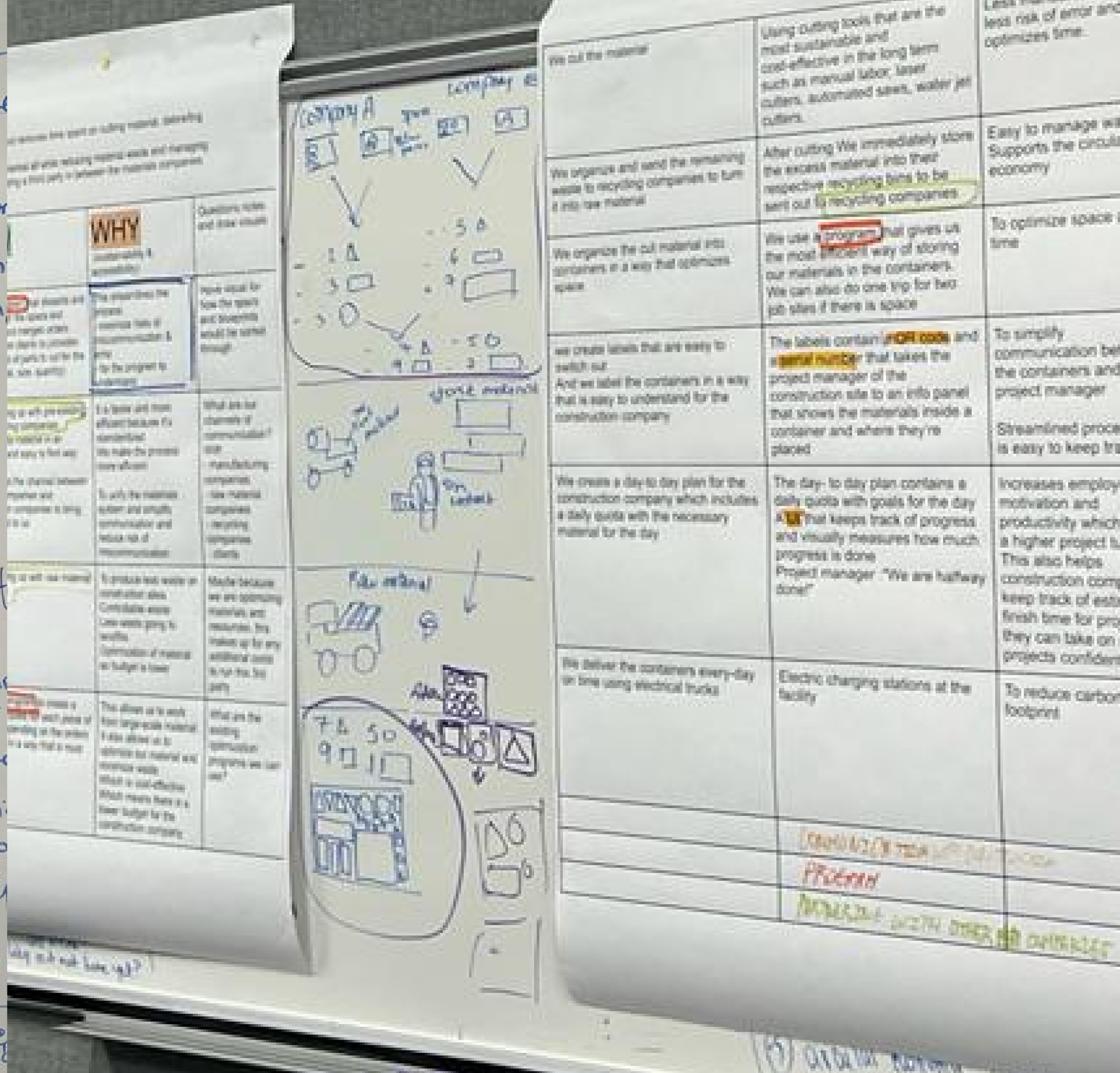
} easier to implement new t
new establishments.

e use a program that tells us how to optimize space in the contai
one trip for two job sites if there is space. Use scan for
e company sends a schedule to us and we create a day-to-day
that includes a daily quota and the necessary materi
UI that keeps track o
→ Project Manager u

→ okay

cost of laser
ser compare to
Cutting wood
al?

Real job example

* Electrical trucks.

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prob