

26TH ANNUAL



26TH LCI CONGRESS
OCTOBER 22-25, 2024

Creating Tubular Results with TVD

Springfield Clinic, O'Shea Builders, &
Farnsworth Group

SURFING THE WAVE OF LEAN DESIGN AND CONSTRUCTION

October 23rd, 2024



Introduction



TOM FITCH

SPRINGFIELD CLINIC
*Vice President Facilities, Real Estate
and Construction*



PAUL WHEELER

FARNSWORTH GROUP
President



TYLER CORMENY

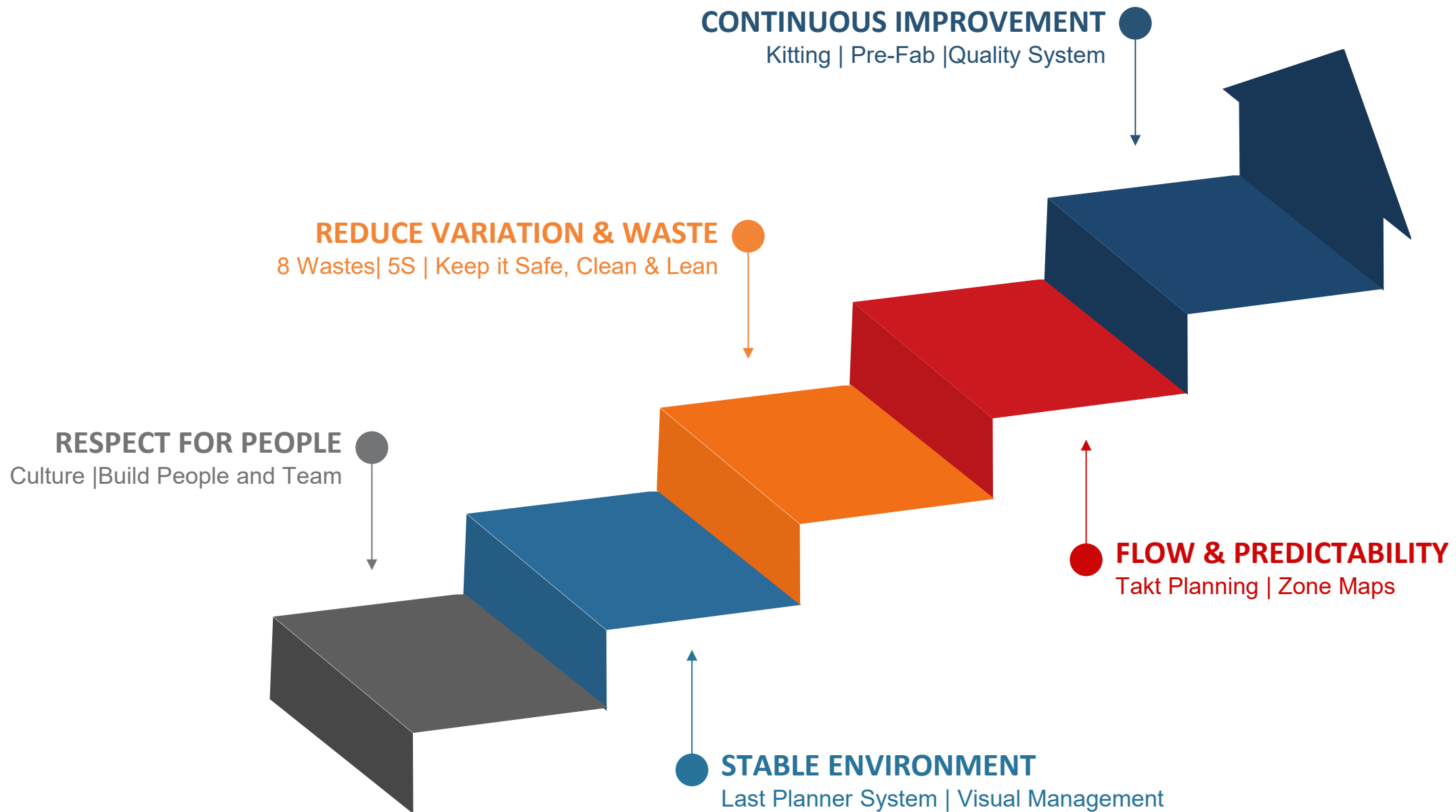
O'SHEA BUILDERS
Vice President



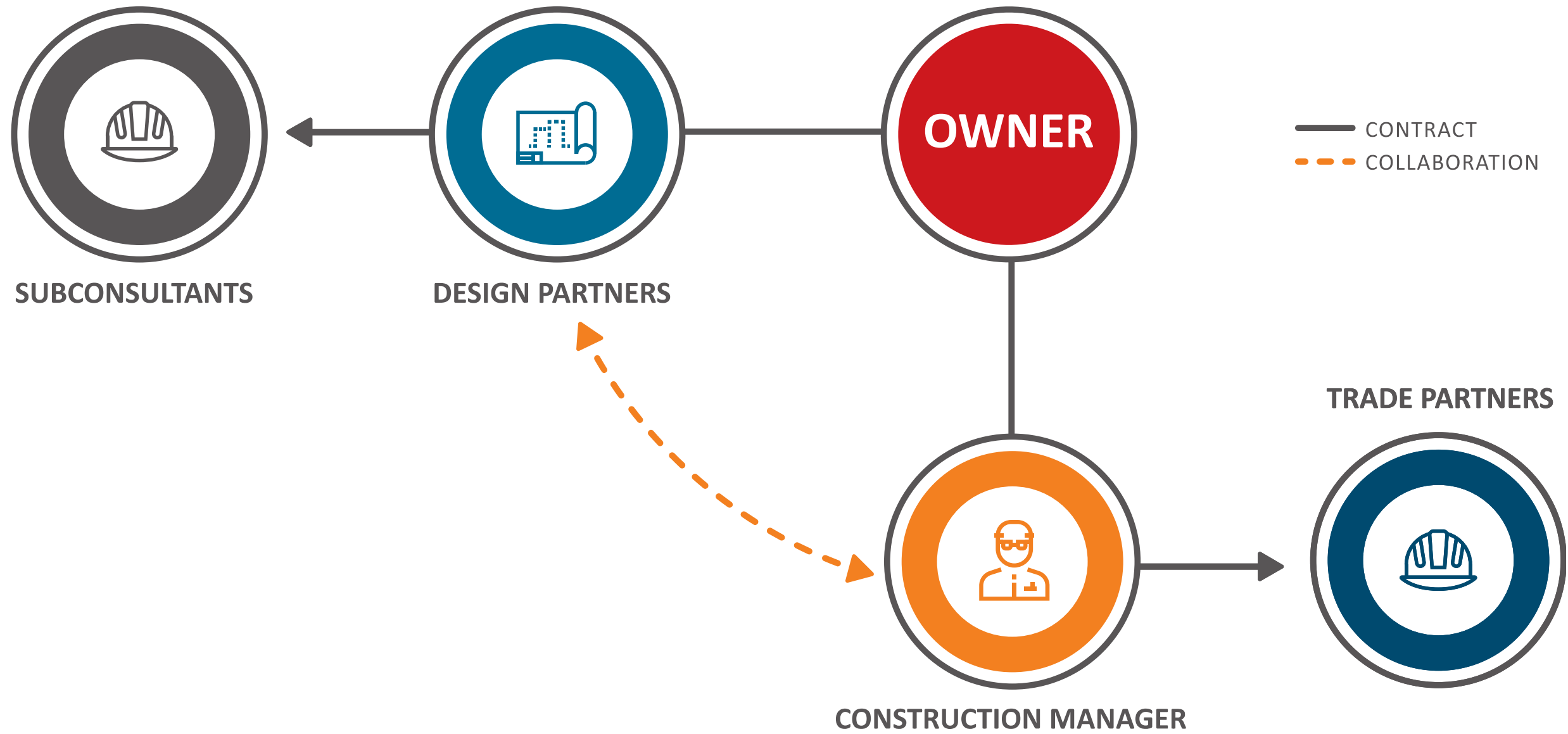
EVAN DORKS

O'SHEA BUILDERS
Project Manager

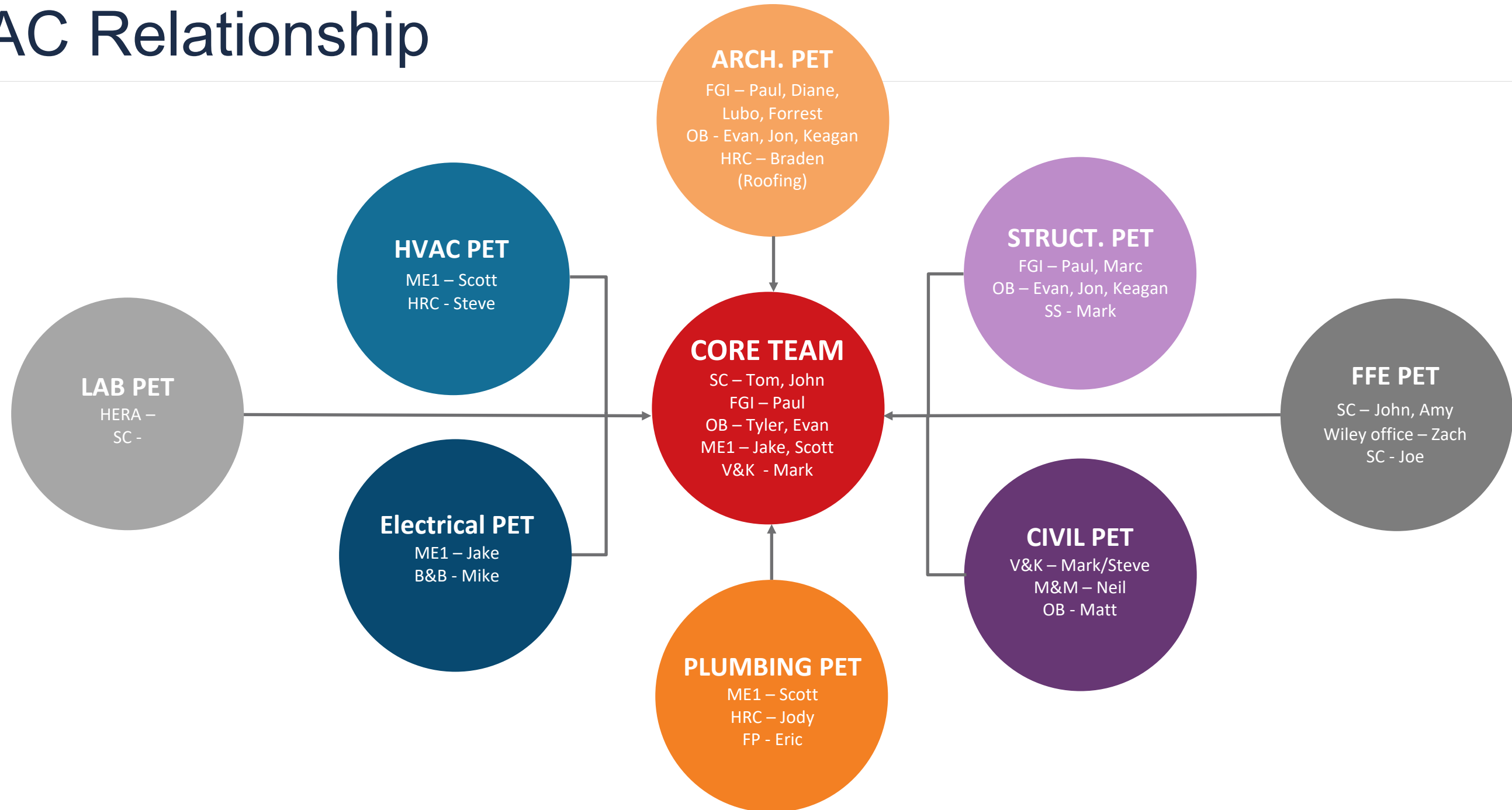
O'Shea Production System (O.P.S.)



OAC Relationship



OAC Relationship



Business Case



Nation wide
shutdown
Mar 13, 2020

Design for
temporary drive-up
lab begins
Aug 13, 2020

Mar 15, 2020

Business Case

Temporary drive-up lab
construction begins
Sept 2020



Temporary Drive-Up
Lab Completed
Oct 10, 2020

Business Case



SC Lab Core
Team Kickoff
Dec 2021

Construction begins
July 2022

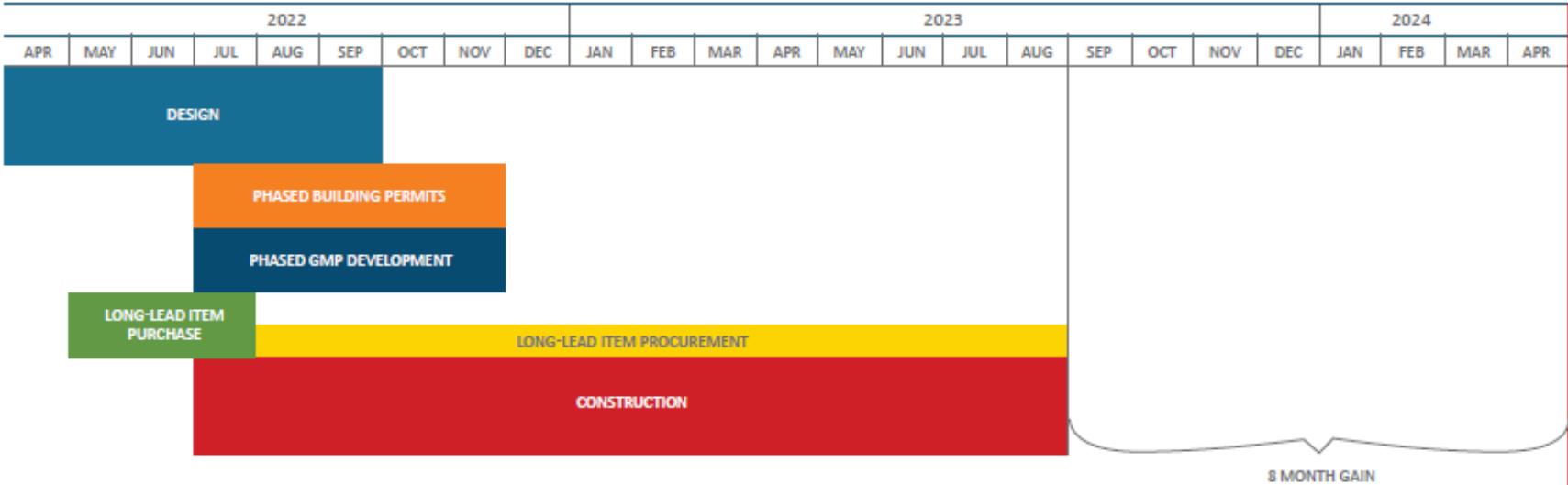
Design begins
April 2022

Construction
Completed
Sept 1, 2023

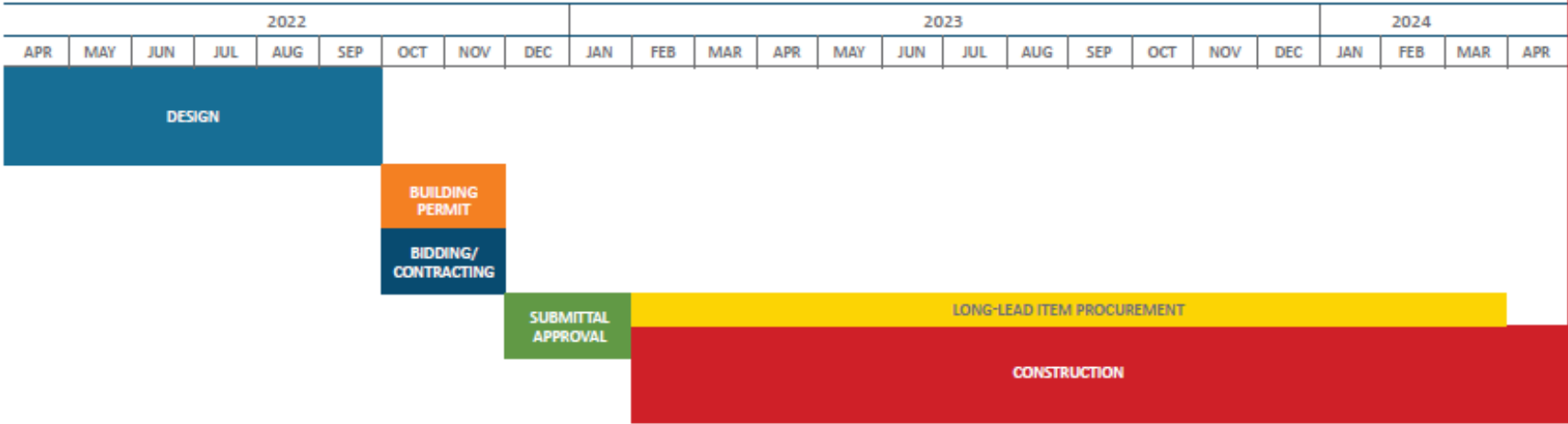


Construction and Results

TARGET VALUE DELIVERY TIMELINE

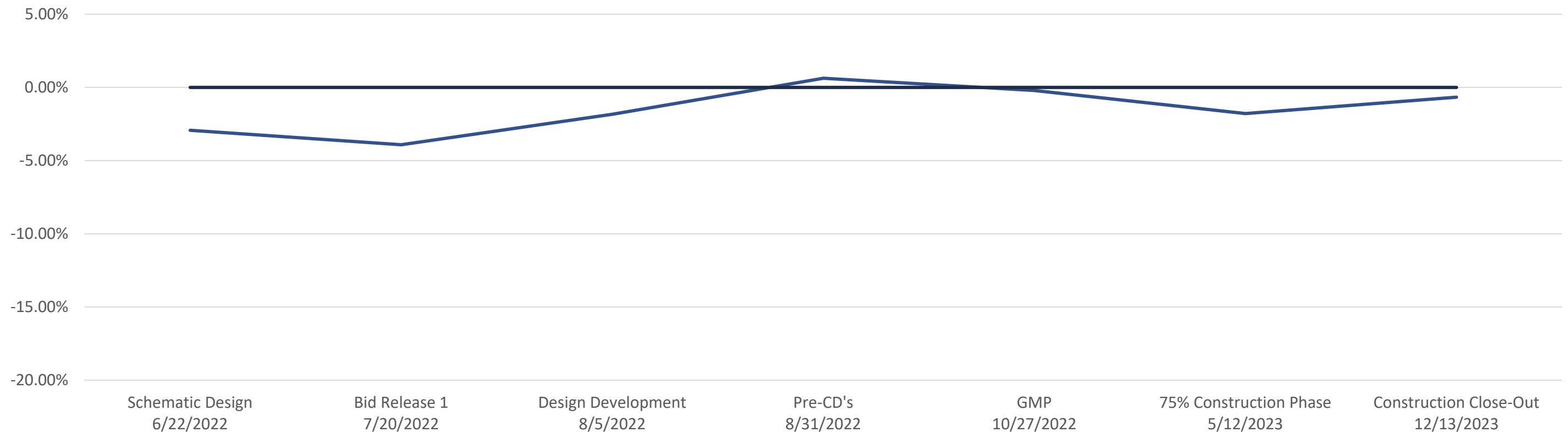


TRADITIONAL METHOD TIMELINE



Construction and Results

- Project delivered eight before traditional approach
- Final cost under target value
- Value-added scope of \$100,000
- No change orders
- Passed 25 inspections the first time
- Only 19 RFIs were submitted



Eight Types of Waste & TVD



Overproduction
One Piece Flow



Inventory
Just In Time Delivery – No Partial Design



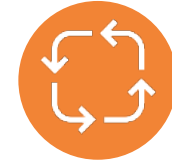
Motion



Transportation



Defects
BIM & Pre-Fab



Extra Processing



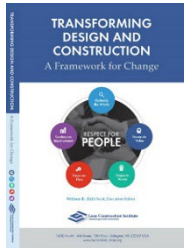
Waiting



Non-Utilized Talent

Target Value Delivery Journey

LCI Webinar by
Julie
Glassmeyer
June 2020



Leadership
book study
June 2021

O'Shea
Builders
Strategic
Initiative
Jan 2022



Felipe
Engineer-
Manriquez TVD
Workshop
March 2022

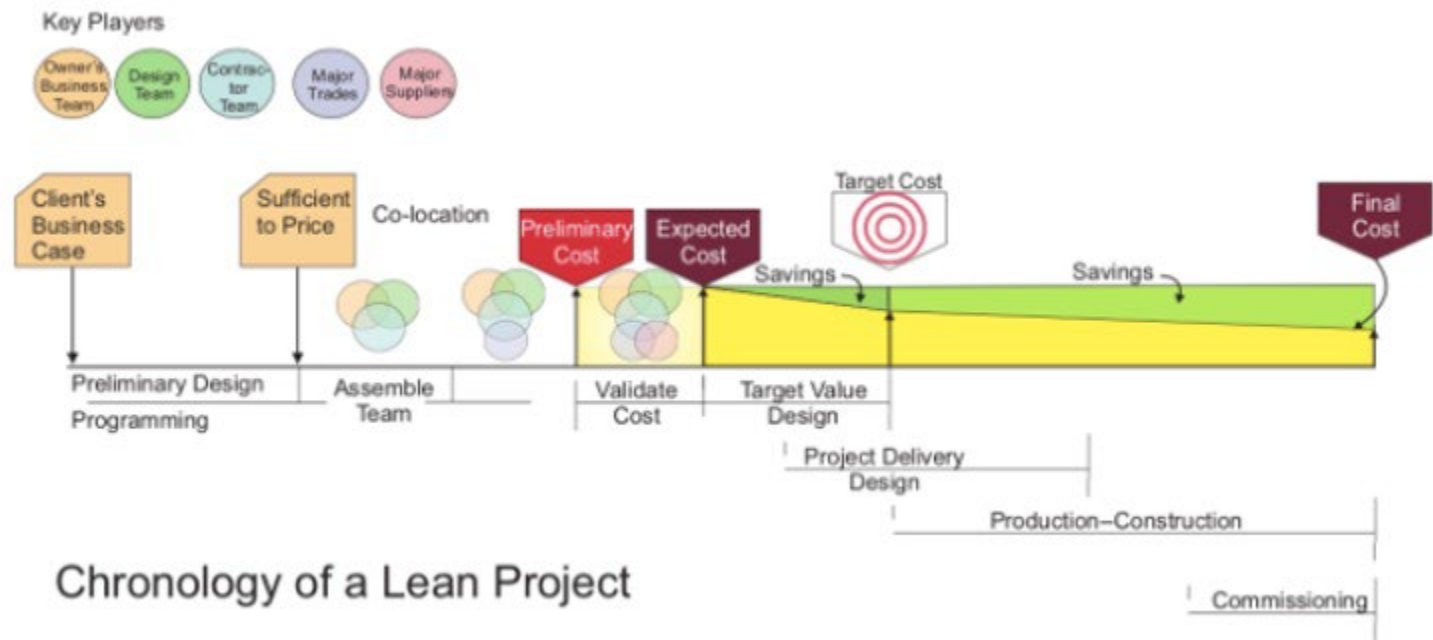
Pilot projects
and
experimenting
Dec 2020



SC Lab
Core Team
Kick-off
Dec 2021

Julie
Glassmeyer
educating and
consulting
Jan 2022

Design Team Onboarding



Trade Partners Onboarding

“There are known knowns. These are things we know that we know. There are known unknowns. That is to say, there are things that we know we don't know. But there are also unknown unknowns. There are things we don't know we don't know.”

- Donald Rumsfeld



Lessons Learned

- Invest in Relationships and Learning
- Get to know your client's business
- Trust the TVD process and Lean principals
- One piece flow during design and construction phases
- Elevate and empower your trade partner
- Stand up and present as a trade partner/design partner team at Integration Events

Questions



Contact Us

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In the spirit of continuous improvement, we would like to remind you to complete this session's survey! We look forward to receiving your feedback.



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Thank you for attending this presentation. Enjoy the rest of the 26th Annual LCI Congress!