

The Challenge

How does a newly formed design and implementation team, merging many dynamic entities, **frame**, design and deliver a project of unprecedented scale and **complexity**, all on a fast-tracked schedule?

*Please note images and slides
have been removed due to
proprietary content*

Solutions

- Empathy for the Vision
- Create a Common Language
- Digital and Analog Toolkit
- Intense Collaboration

IMAGES REMOVED

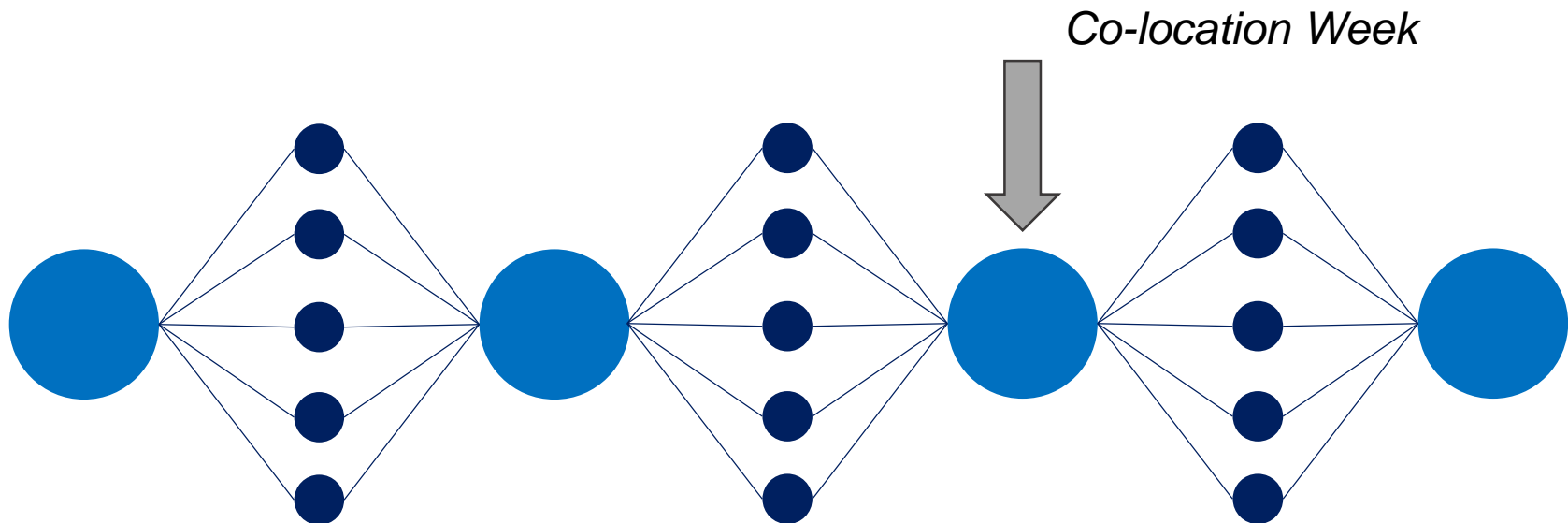
Collaboration Solutions

- Co-Location Strategies
- Big Room Meetings
- Leverage Technology for Communication
- Extended Mini Co-Locations

IMAGES REMOVED

Co-Location and Collaboration

- Sets Foundation for Higher Functioning Teams
- Allows Understanding of Dialogue and Personality Types
- Developed “Co-location Week” cadence and rhythm



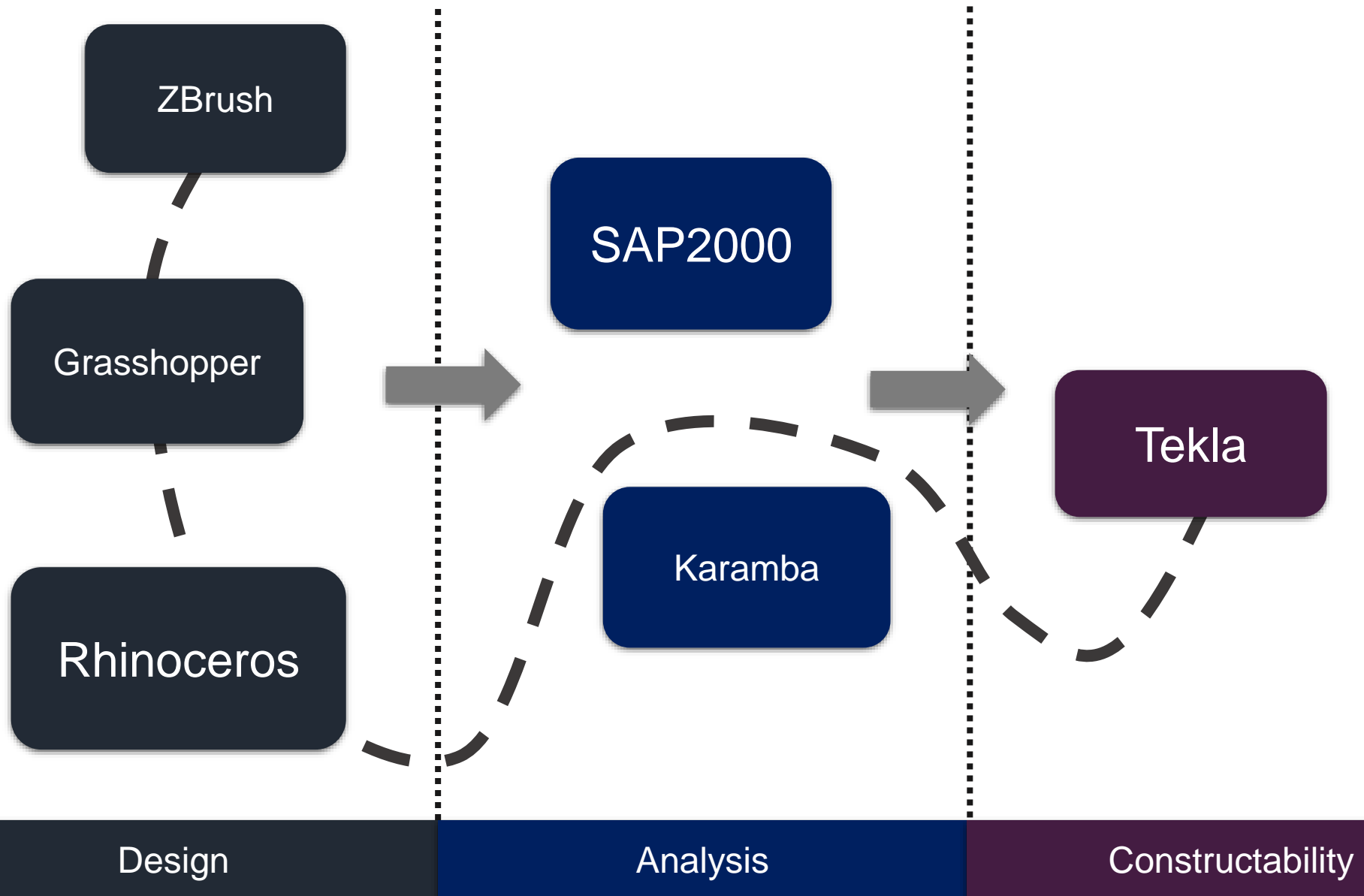
Digital Workflow Solutions

- Dimensional Model Interaction
- Parametric Tools and Rapid Iteration
- Tied Milestones to Physical Model
- Downstream Use of the Model

IMAGES REMOVED

Parametric Tools

IMAGES REMOVED



Rapid Iteration

- Increased Number of Iterations
- Offered Multiple Structural Solutions

IMAGES REMOVED

Keeping Connected

- Milestones Tied to Physical Models

IMAGES REMOVED

What Went Well (+)

- **Relationships fostered with creative team**
- Reliability of the Work
- Co-location Strategies
- A Project First Mentality to Optimize All Project Outcomes (First Cost, Operations, Maintenance & Life Cycle)
- Persistence of Model Data and Consistent Willingness to Implement New Digital Tools
- Proactive Planning in Fabrication and Erection

Opportunities (Δ)

- Define, communicate, and maintain Clear Focus on Overall Project Objectives
- Understand deeply the Values, Expectations and Needs from all parties up and down the delivery supply chain
- Increase Dialogue and Buy-in to Project Milestones
- **Bring Lean Leaders together early in the project to define onboarding and co-location strategies, decision making framework, project workflows and priorities**
- Increase availability of/plan activities around Key Decision Makers for reduced latency

Questions?

IMAGES REMOVED

This concludes The American Institute of Architects
Continuing Education Systems Course

Lean Construction Institute



info@leanconstruction.org

