

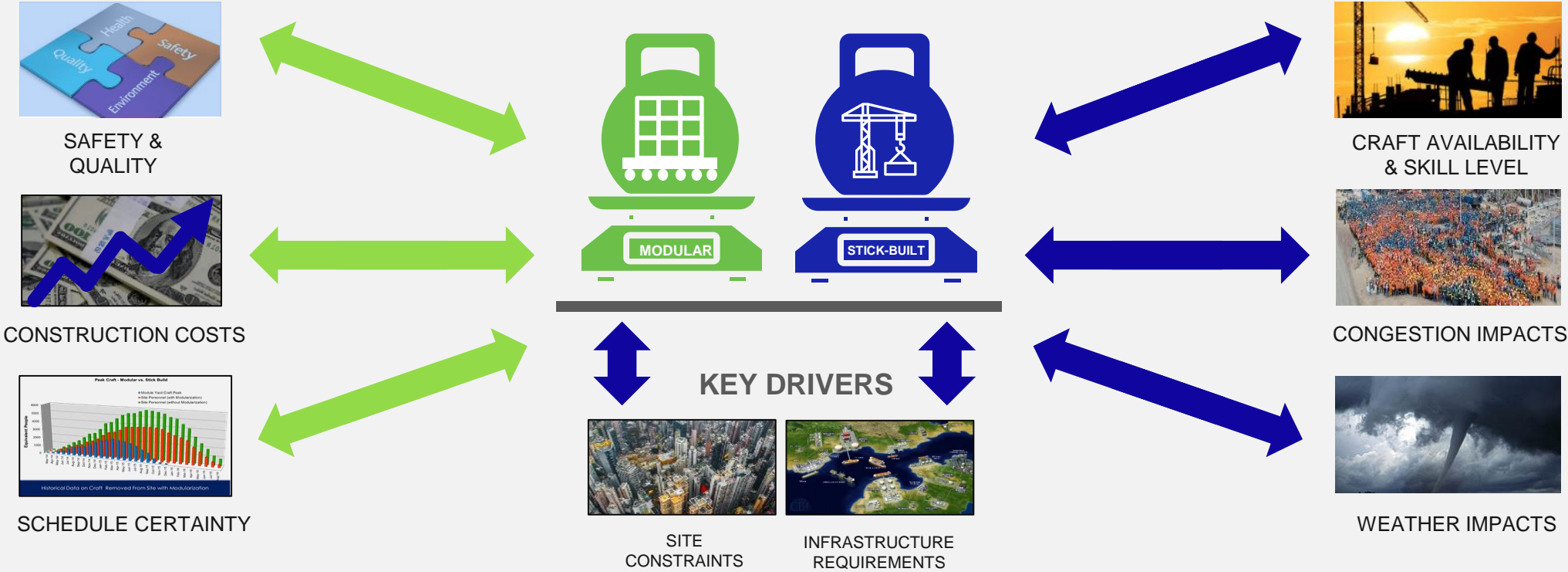


“Turning the Corner”

Mark Coscio
Vice President, Petrochem Operations
North, Central and South America

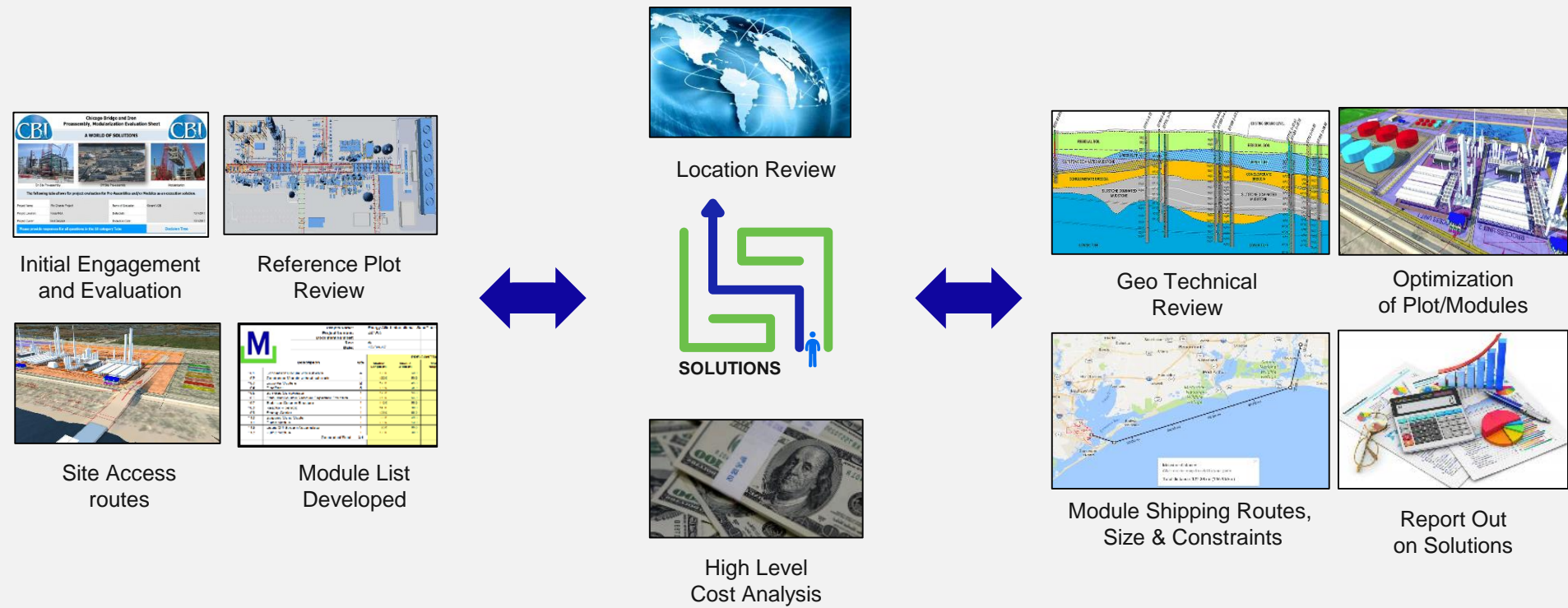
WHY MODULARIZATION:

KEY DRIVERS & CONSIDERATIONS



HOW TO INCORPORATE
MODULARIZATION:

Module Team Evaluation & Assessment



WHAT DOES MODULARIZATION
LOOK LIKE:

Module Solutions From Stick Build to
Increasingly Complex Full Process Unit Modularization

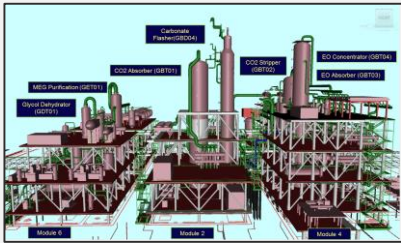


STICK BUILD SOLUTIONS



MODULE SOLUTIONS

Truckable Pipe Assembly Racks and Skids, Medium to Large Pipe
Assembly Rakes, Furnace Process Assembly Units



SUPER PROCESS UNITS



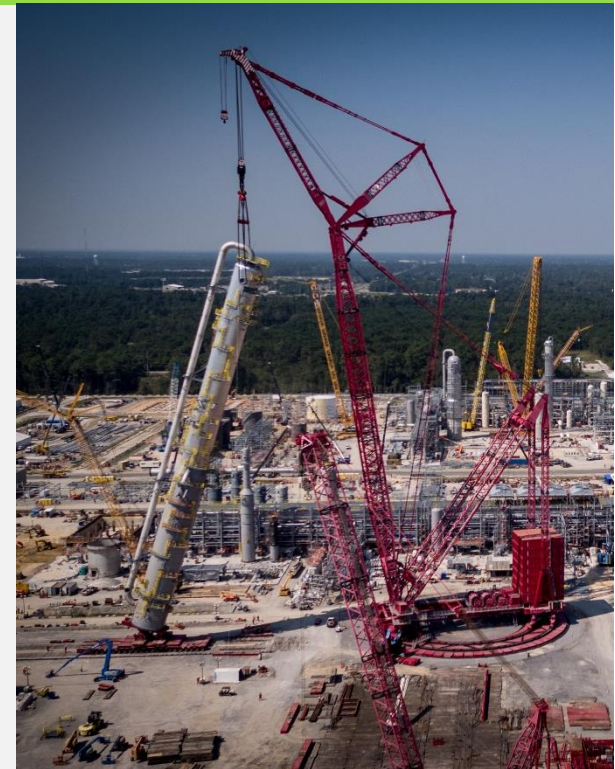
Challenges to Modularization

- Places more pressure and focus on Engineering deliverables.
- Requires more detailed front-end planning to execute.
- Can result in carry over work if not executed well through all phases.

Benefits of a Well-Executed Module Program

- Offer a less congested site and laydown requirements, which can decrease risk and improve project safety.
- Could have a cost and site personnel reduction.
- Reduces site services, environmental & social impacts.
- Improves overall project schedule certainty and reduces project risk.

[Recent Modularization Example](#)





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