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The future is vertical

Lim Meng Yong, Managing Director (APAC)

The Road to Boxbay Solution implementation

TOC Asia, Singapore, 26 – 27 November 2024

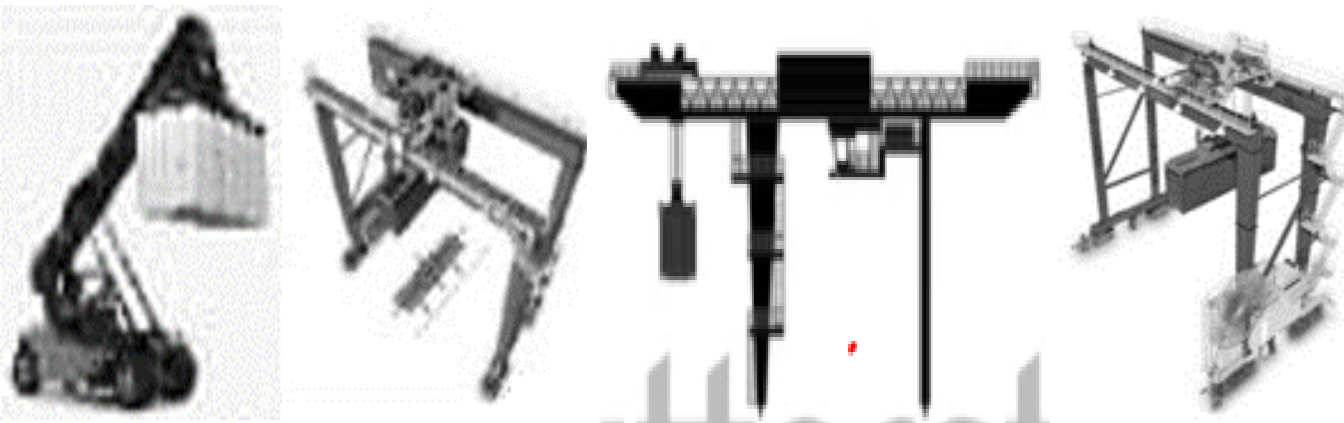
RECAP: WHAT IS BOXBAY SOLUTION?



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Enhancement of Transport Network



Enhancement of Container Stacking Area

BOXBAY: MODERN PORT NEEDS VS DESIGN FUNDAMENTAL

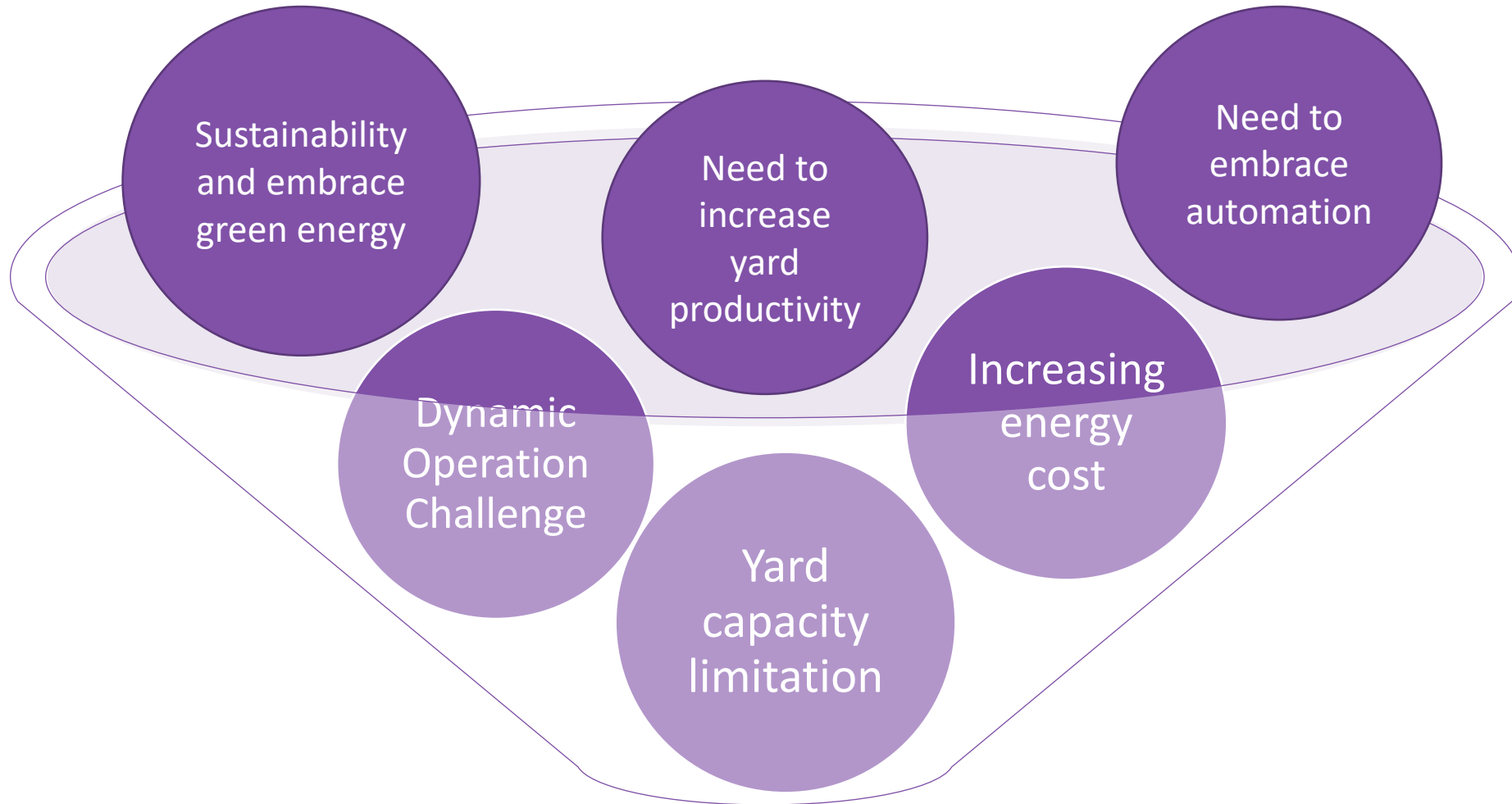
HIGH BAY STACKING

FOR EFFICIENT STORAGE



The future is vertical

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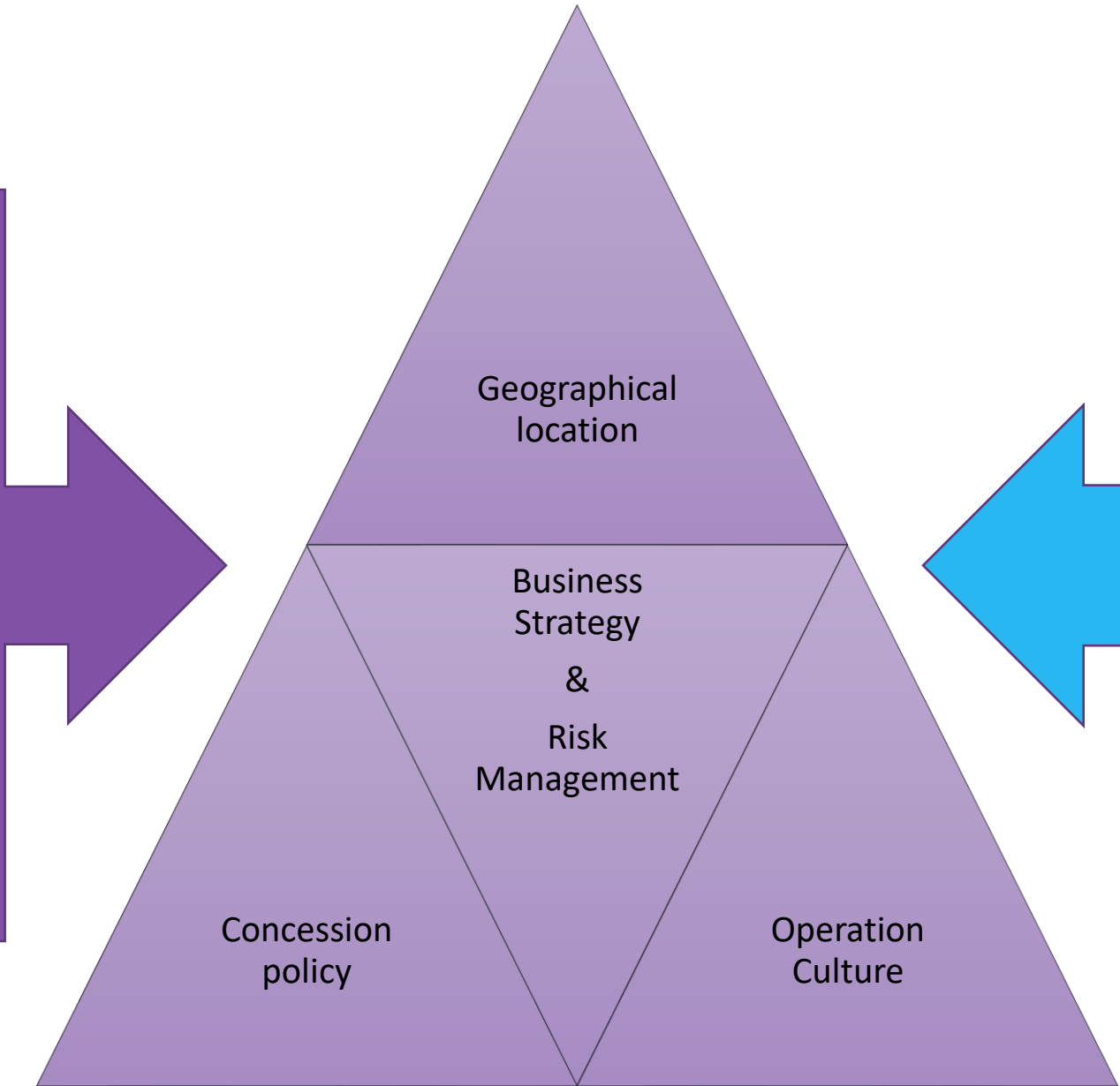


Generic challenges of modern ports

EVERY PORT SETUP IS UNIQUE

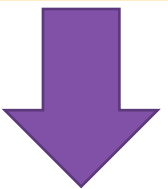
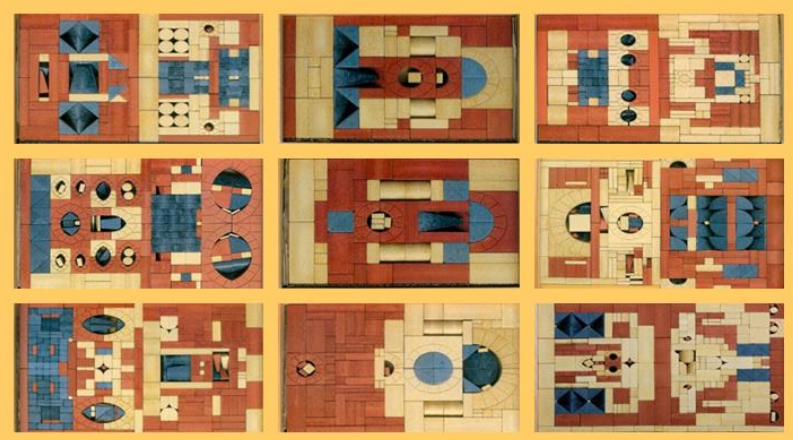
Boxbay solution design by customization:

- Available land for yard layout
- Desire yard performance for water and land side
- Alignment with desire operation fundamentals



Organic growth in port capacity can be further enhance with Boxbay solution due to it's scalability advantage

BOXBAY: MODULE CUSTOMIZATION

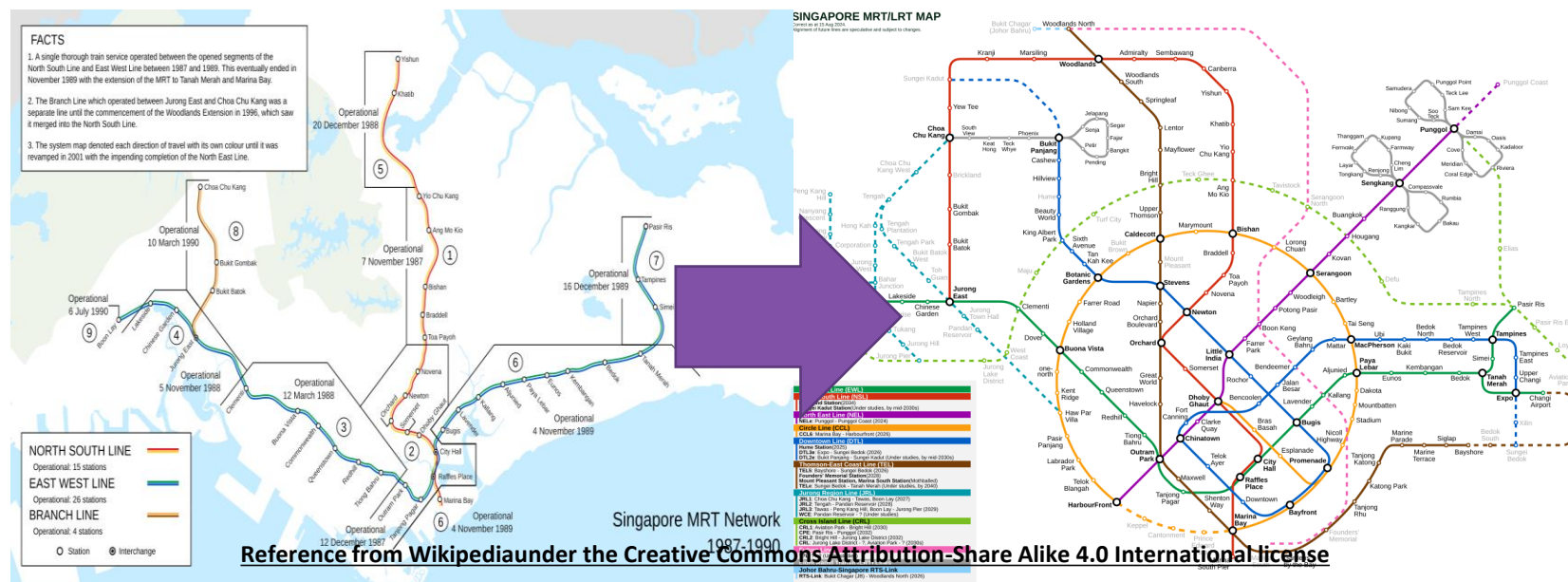


- A modular system promote:**
- **Customizability:** Tailored to meet specific operational needs, addressing your unique challenges.
 - **Flexibility:** Easily adaptable to changing demands with interchangeable components.
 - **Cost Efficiency:** Reduced development and maintenance costs through standardized modules.

BOXBAY: PROGRESSIVE SYSTEM BUILD UP

Progressive system build up allows:

- **Scheduled Implementation of extension:** Smoother deployment and new extended wing can easily integrate into existing operations
- **Scalability:** Upgradable, ensuring long-term relevance and protecting your investment.

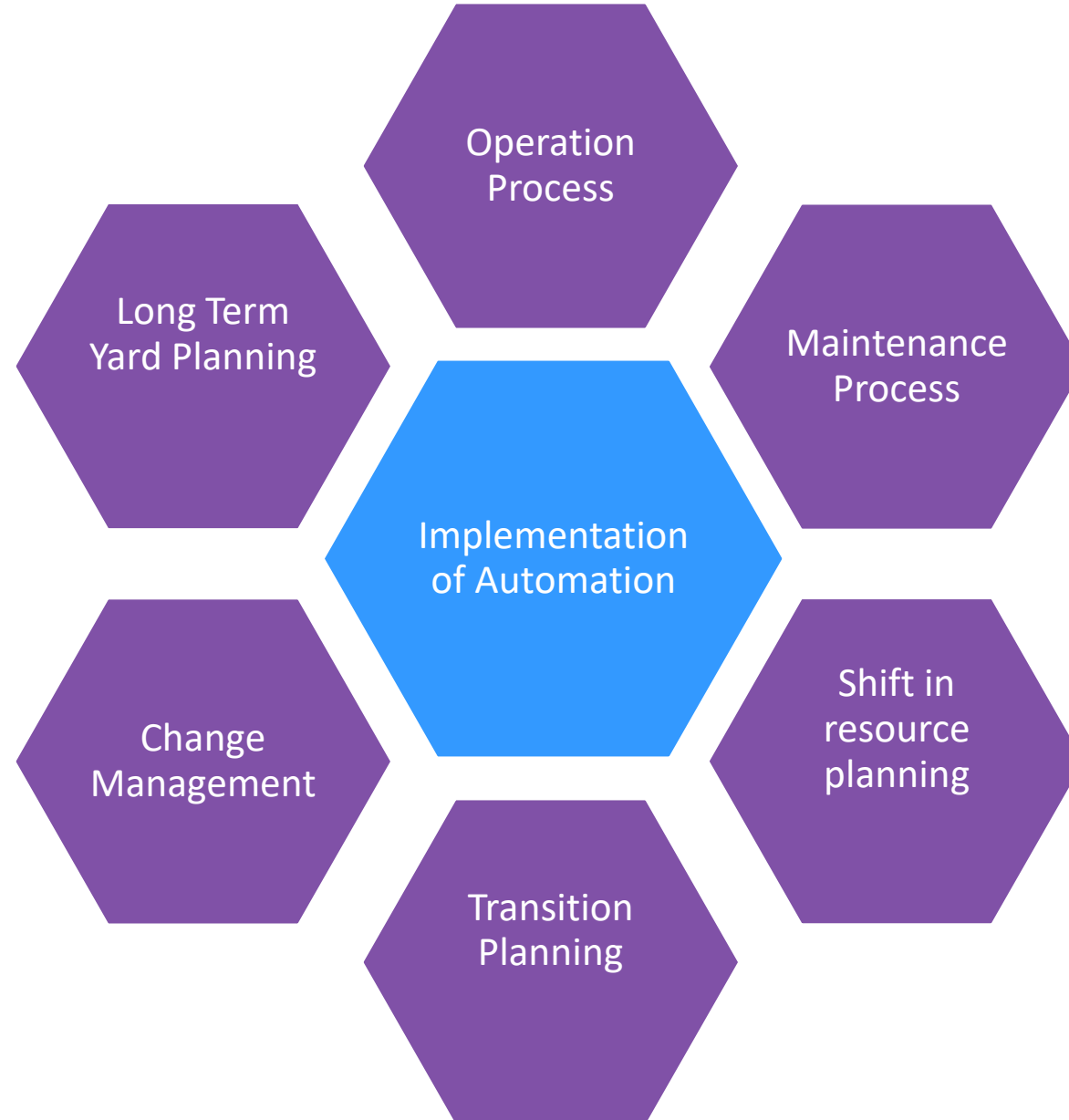


BOXBAY: MODERN AUTOMATED PORT PLANNING YARD EQUIPMENT ROAD MAP VS BOXBAY INTEGRATED SOLUTION ROAD MAP

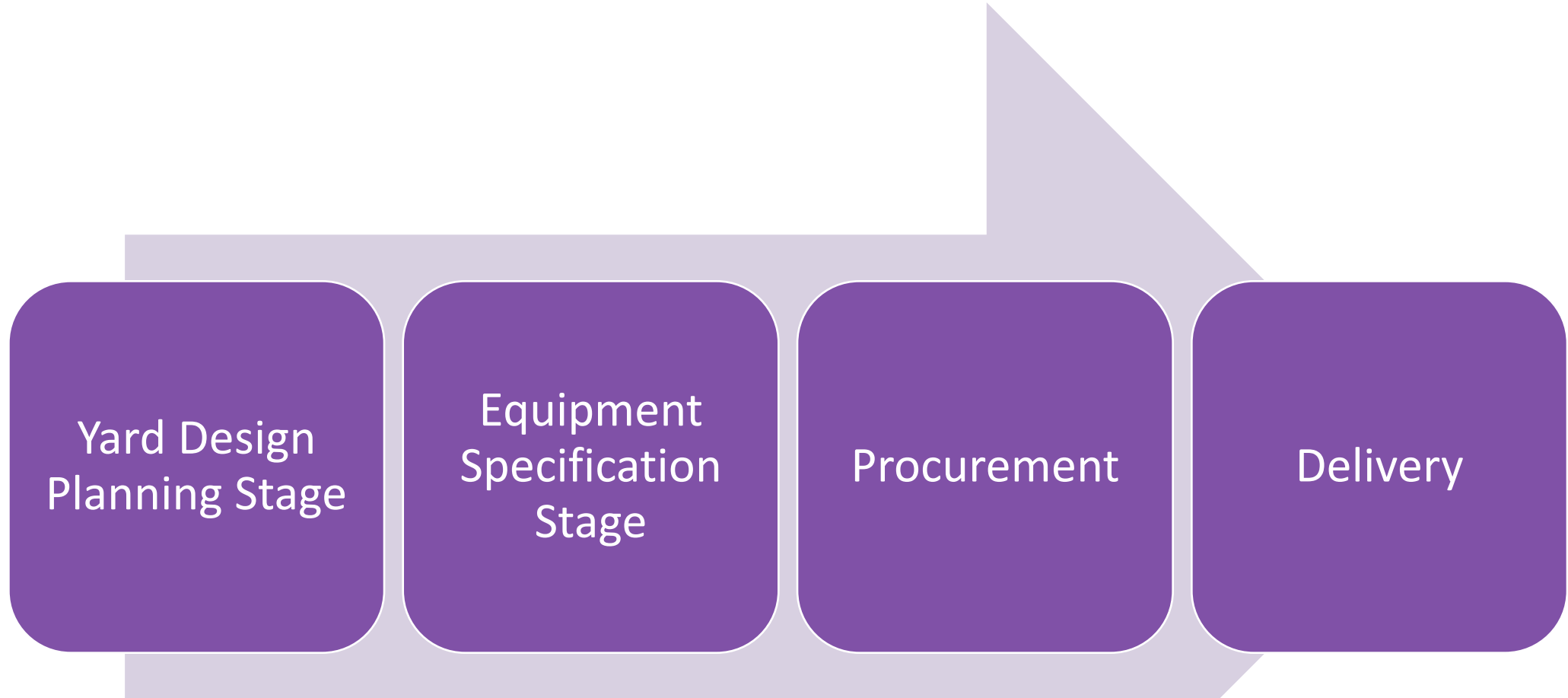
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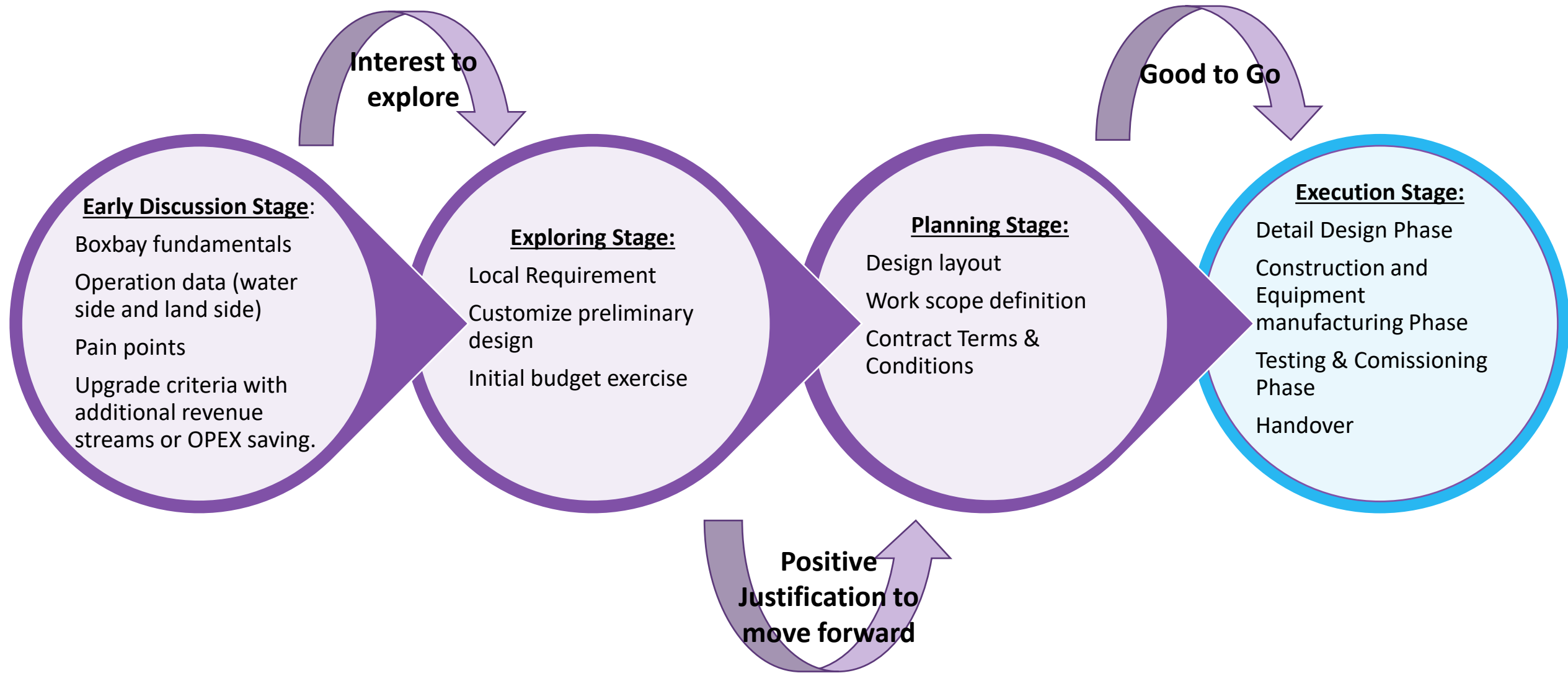
PLANNING FUNDAMENTALS FROM MANUAL TO AUTOMATED CONTAINER YARD



COMMON YARD EQUIPMENT ROAD MAP



BOXBAY ROADMAP



CONCLUSION:

PRODUCT NATURE

Fluid flexibility

- Automated
- Customization – bespoke tailor fit to the yard layout with optimum yard efficiency
- Scalability - long term planning in conjunction to capacity and performance growth

ADDED VALUE

Sustainability

- Energy consumption only used for productive move (no reshuffling)
- Dual usage of yard land – Alternative Solar farm
- Reduction horizontal transport as less mileage is needed

EVALUATION PROCESS

Early development planning

- Holistic approach to all stake holders needs with consideration of automated process
- Compare and select the optimum bespoke configuration



THANK YOU

& STAY IN TOUCH