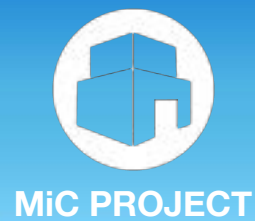




# HEAVY LIFTING AND TRANSPORTATION

Shen Kan

SET WIN HEAVY LIFTING



UNDER THE ICEBERG

**Precast  
Structure**



LE FL

**Sizable  
Machine**



**Assembling of  
other lifting  
equipments**

**ENGINEERING  
SOLUTION**

# Precast Structure



# Sizable Machine



## Assembling of other lifting equipments



## Special Objects



Objects-one-dont-see-being-lifted-everyday



## Special Objects



## WHAT IS UNDER THE ICEBERG?



**RELIABLE  
EQUIPMENT**



**ENGINEERING  
SOLUTION**

# WHAT IS UNDER THE ICEBERG?

a. Crane Technology

b. SPMT



RELIABLE  
EQUIPMENT



ENGINEERING  
SOLUTION



RELIABLE  
EQUIPMENT

## a. Crane Technology

Superlift







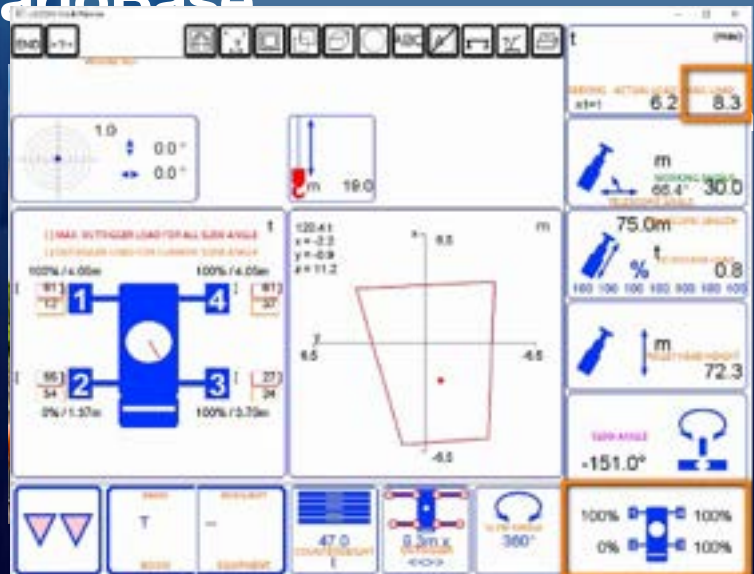
RELIABLE  
EQUIPMENT

## a. Crane Technology Jib Extension



RELIABLE  
EQUIPMENT

## a. Crane Technology VarioBase

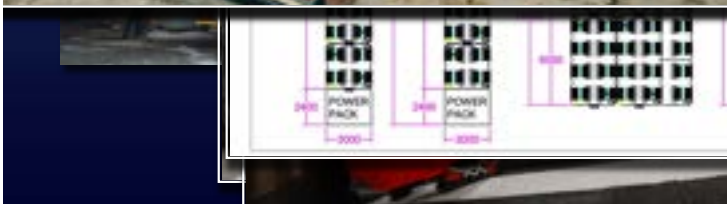






RELIABLE  
EQUIPMENT

# LTM1650-8.1 Slewing Radius a. Crane Technology VarioBallast



- a. Insufficient Space
- b. Customized Outrigger Pads
- c. Design and Manufacturing
- d. Tandem Lifting
- e. Routing
- f. Crane-lifting crane



RELIABLE  
EQUIPMENT

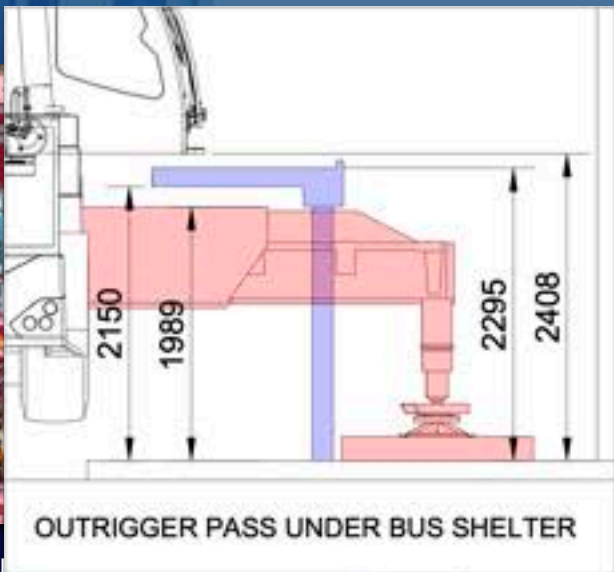
ENGINEERING  
SOLUTION



ENGINEERING  
SOLUTION

## Case Study: Nathan Road

### a. Insufficient Space







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SOLUTION

## b. Customized Outrigger Pads



- Spread loads of the outriggers
- Angled pads for levelling
- Stacks of pads to overcome height difference



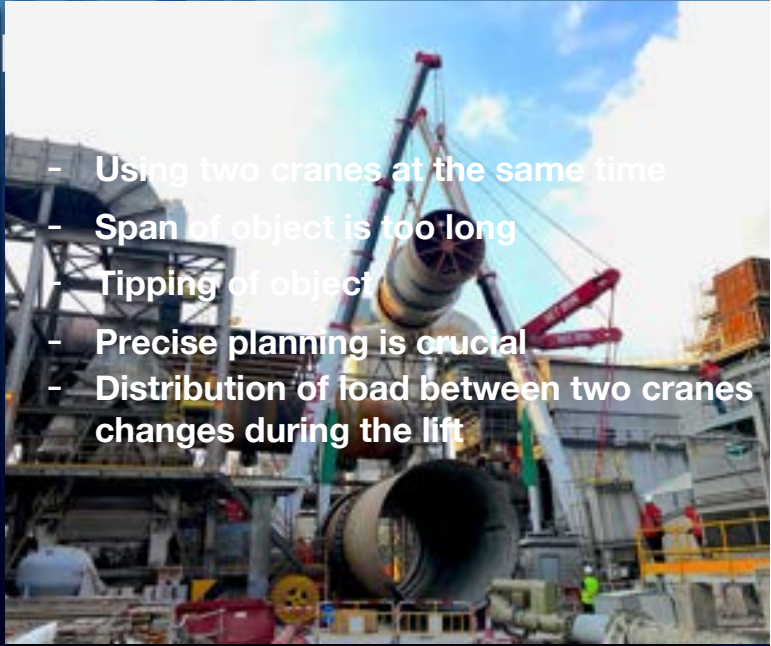
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SOLUTION

## c. Design and Manufacturing

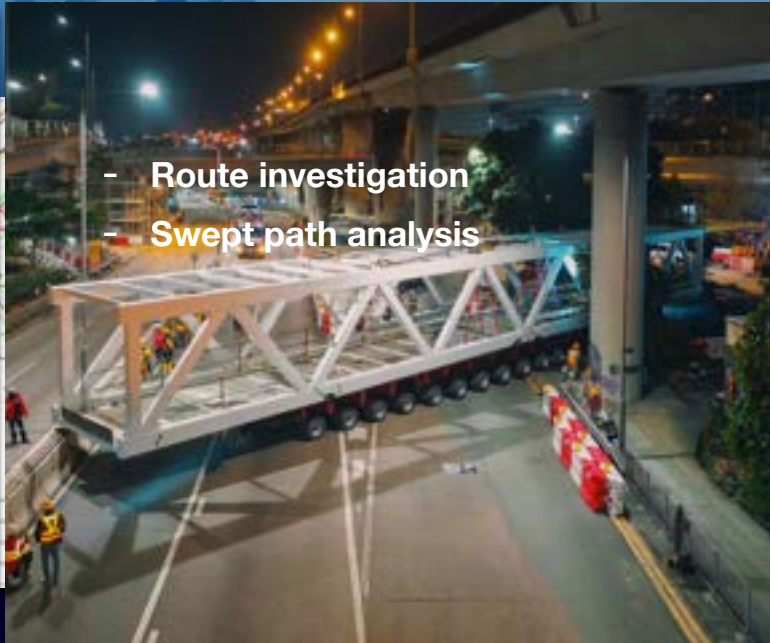




- Using two cranes at the same time
- Span of object is too long
- Tipping of object
- Precise planning is crucial
- Distribution of load between two cranes changes during the lift



- Route investigation
- Swept path analysis







ENGINEERING  
SOLUTION



PROJECT  
ACHIEVEMENT



Crane lifting crane



RELIABLE  
EQUIPMENT



MiC PROJECT



ENGINEERING  
SOLUTION



PROJECT  
ACHIEVEMENT



MiC PROJECT



RELIABLE  
EQUIPMENT

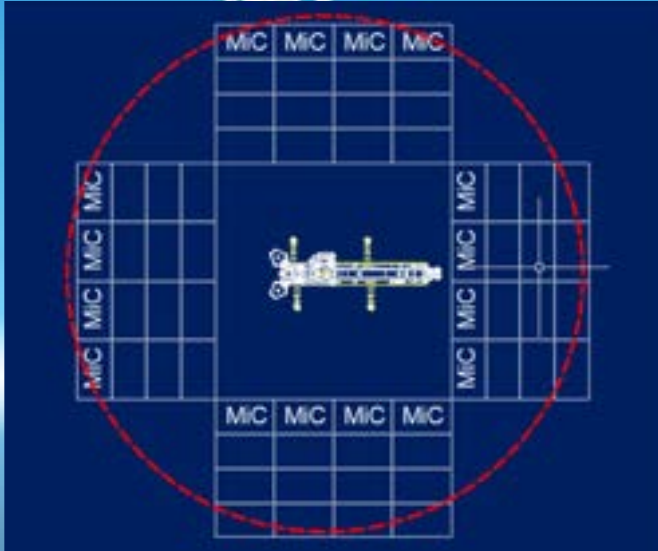


ENGINEERING  
SOLUTION

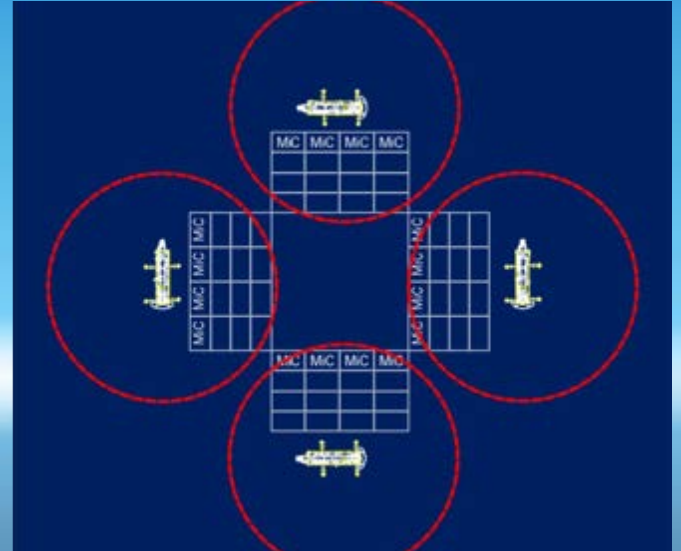


IC PROJECT

# Setup Location



Option 1



Option 2



## Option 2

### Single Large Crane

- Small working radius
- Set up at center
- Needs to move around
- Long working radius covering whole site
- Less costly compared to a large crane
- Planning of exit route
- Multiple cranes to work simultaneously to save time





**PROJECT  
ACHIEVEMENT**



**MiC PROJECT**



**RELIABLE  
EQUIPMENT**



**ENGINEERING  
SOLUTION**