

LEGOLAND Japan Project



12 March 2019
Global CM Forum
Meiho Facility Works Ltd.

Project outline

Project owner: LEGOLAND Japan Limited

Project period: March 2013 – March 2017

Location: Nagoya city, Aichi prefecture, Japan

Total site area: 89,135 sqm

Buildings: 43

Total floor area: 31,724 sqm

Attraction: 22

Indoor/out door play area: 14

Theater: 2

Restaurant: 10



CMr's role

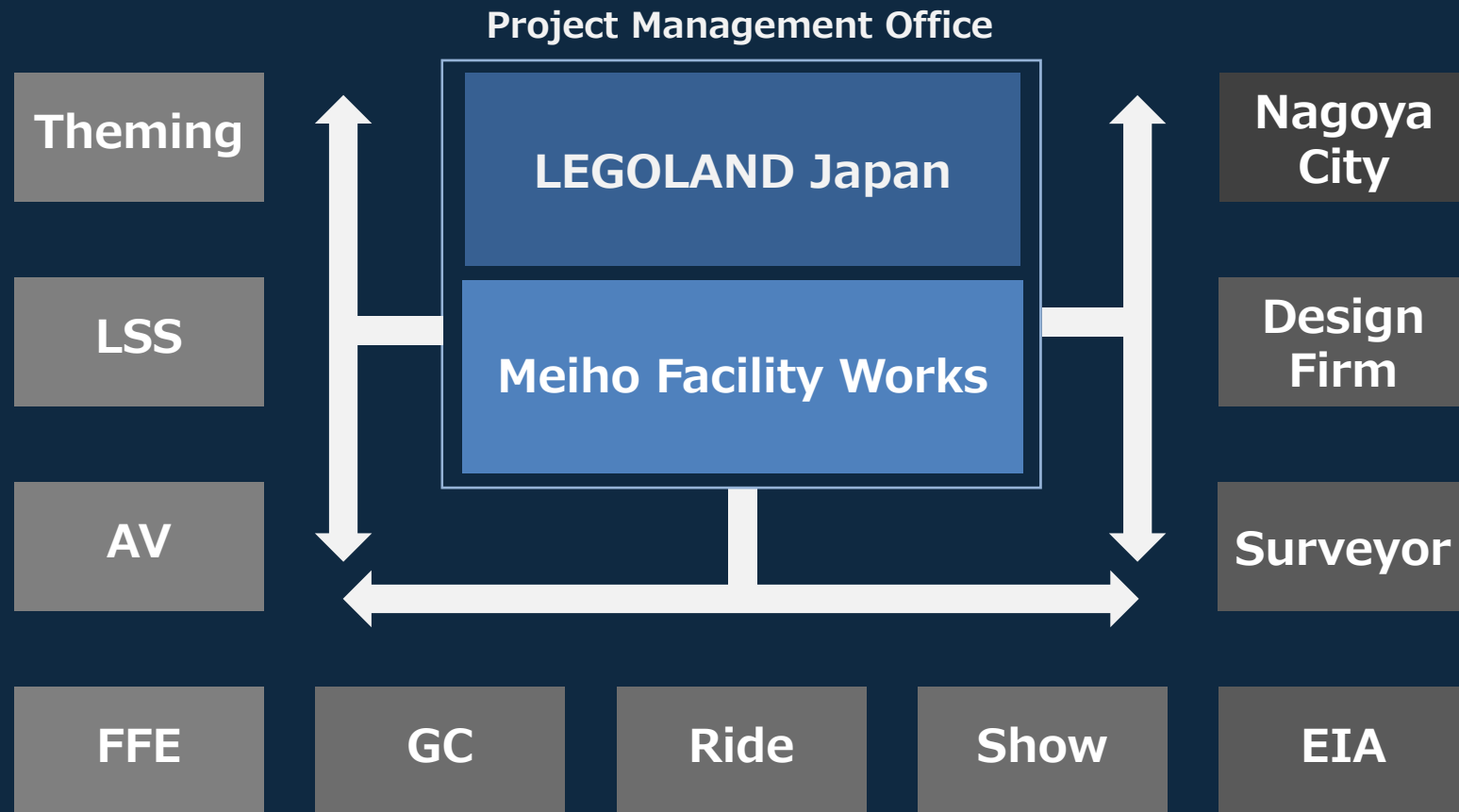


Communication
Bridge

Management
Process Sharing

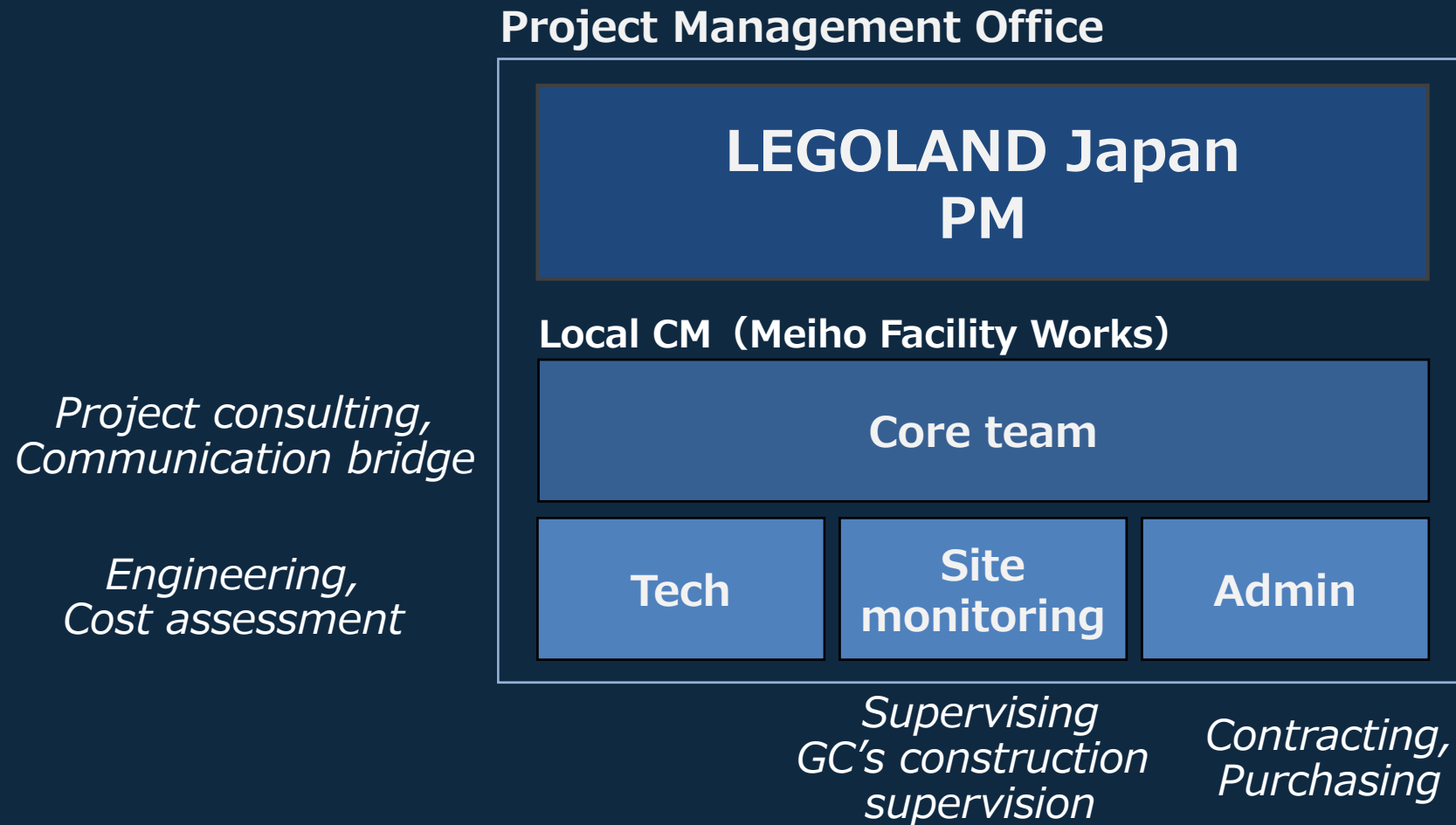
Administration
Support

Project organization



*Meiho joined Project Management Office to **support and coordinate over 40 companies** individually contracted.*

Project organization



Time charge system

Fixed hourly
rate per
expertise

Assumed
program &
events

Assigned
player for
agreed time

Proactive & flexible management

CM communication tools

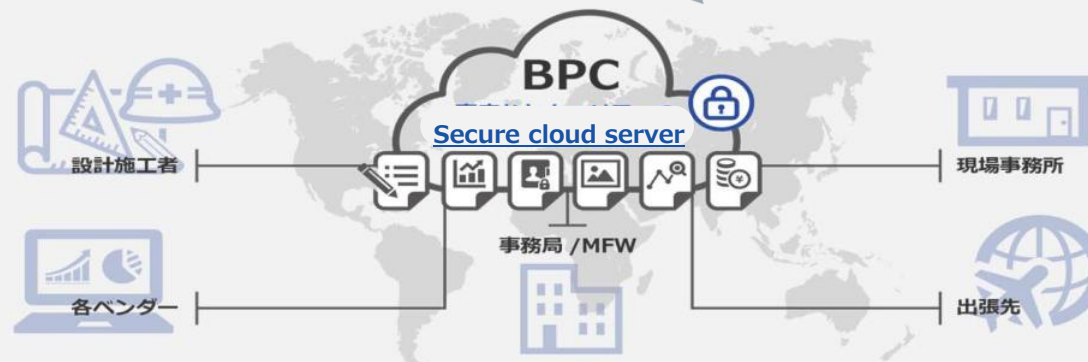
Project status report



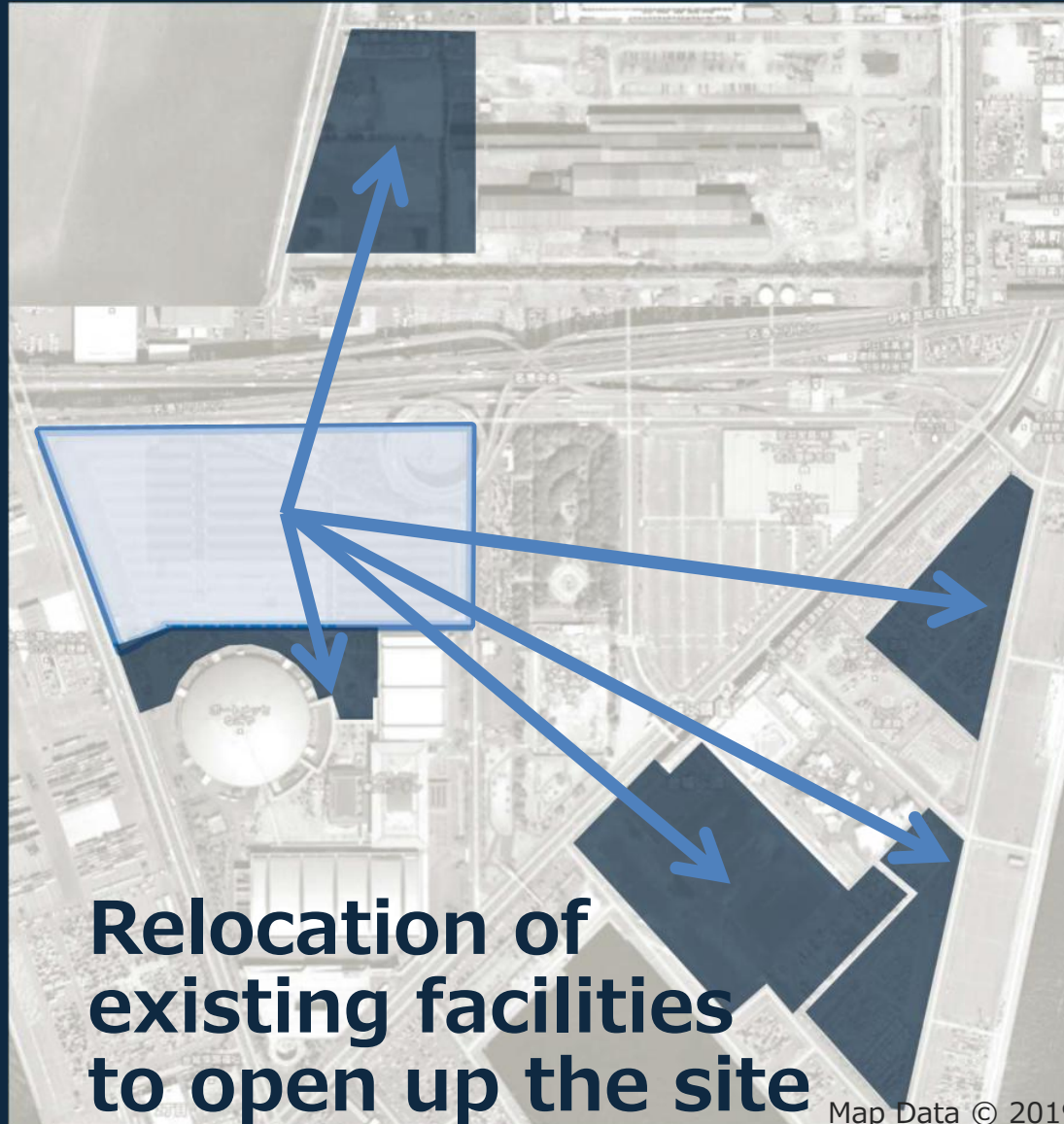
Project presentation

LEGOLAND JAPAN Schematic Design Phase – Progress Update	
ITEM	STATUS
Site Specific Cost	Land/Process/Structure Major cost estimates are currently confirmed. Final agreement regarding the design/structure/land/structure will be confirmed by the end of the month. The design/structure/land/structure will be confirmed by the end of the month.
Schedule	Overall Schedule The schedule is currently being confirmed. The design/structure/land/structure will be confirmed by the end of the month. The design/structure/land/structure will be confirmed by the end of the month.
Procurement / Construction Methodology	Procurement of Design & Construction Items Design/structure/land/structure will be confirmed by the end of the month. The design/structure/land/structure will be confirmed by the end of the month.
Project Delivery Organization	Local Project Organization The design/structure/land/structure will be confirmed by the end of the month. The design/structure/land/structure will be confirmed by the end of the month.

Business process collaboration system



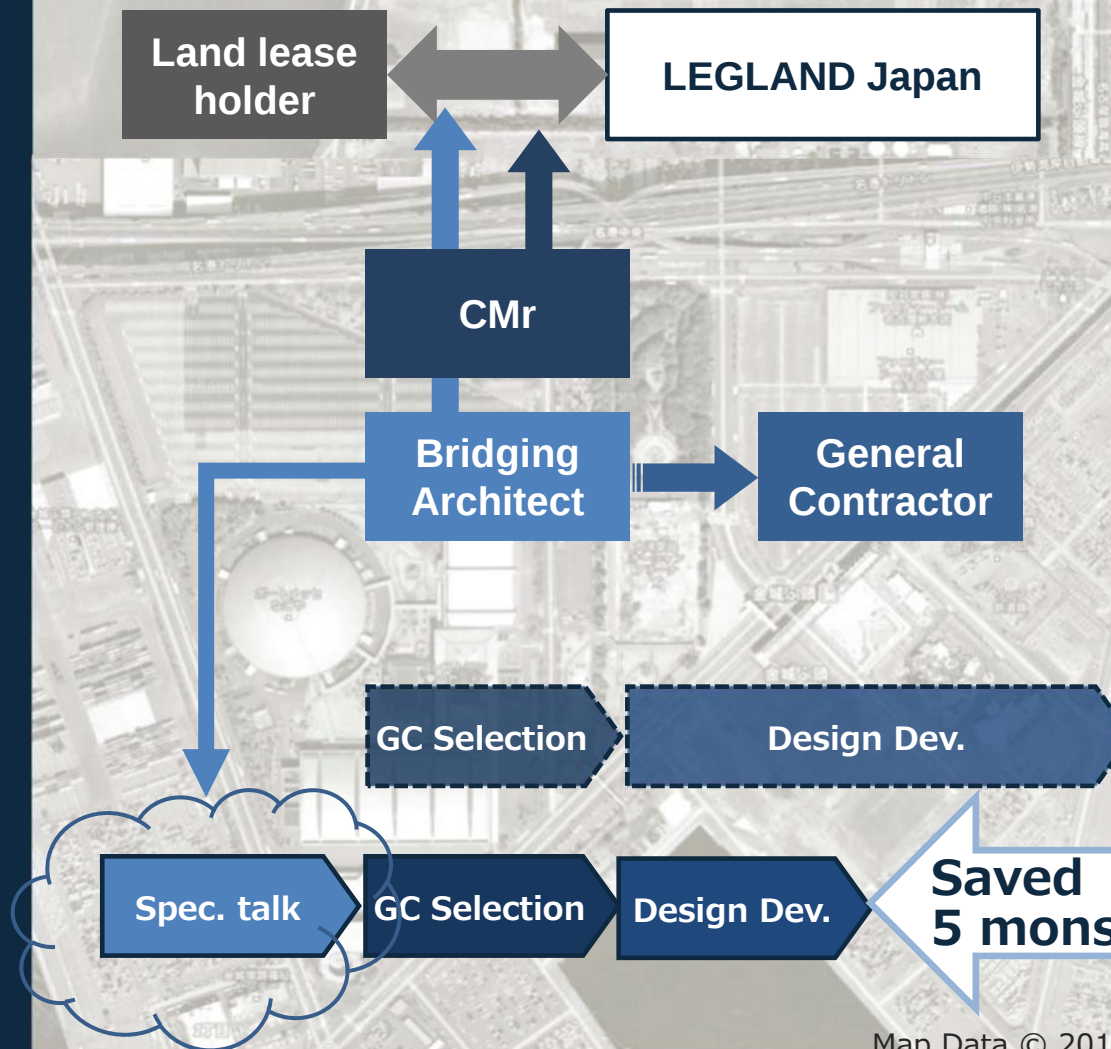
Site preparation



**Relocation of
existing facilities
to open up the site**

Site preparation

bridging method



Design + VE fast track

Design Bid Build



Japan: Design Build



Building + Ride + Show + Theming + Landscape



Design + VE fast track

Early firm price

Schematic Design

Bid

Design Build

Stage 1

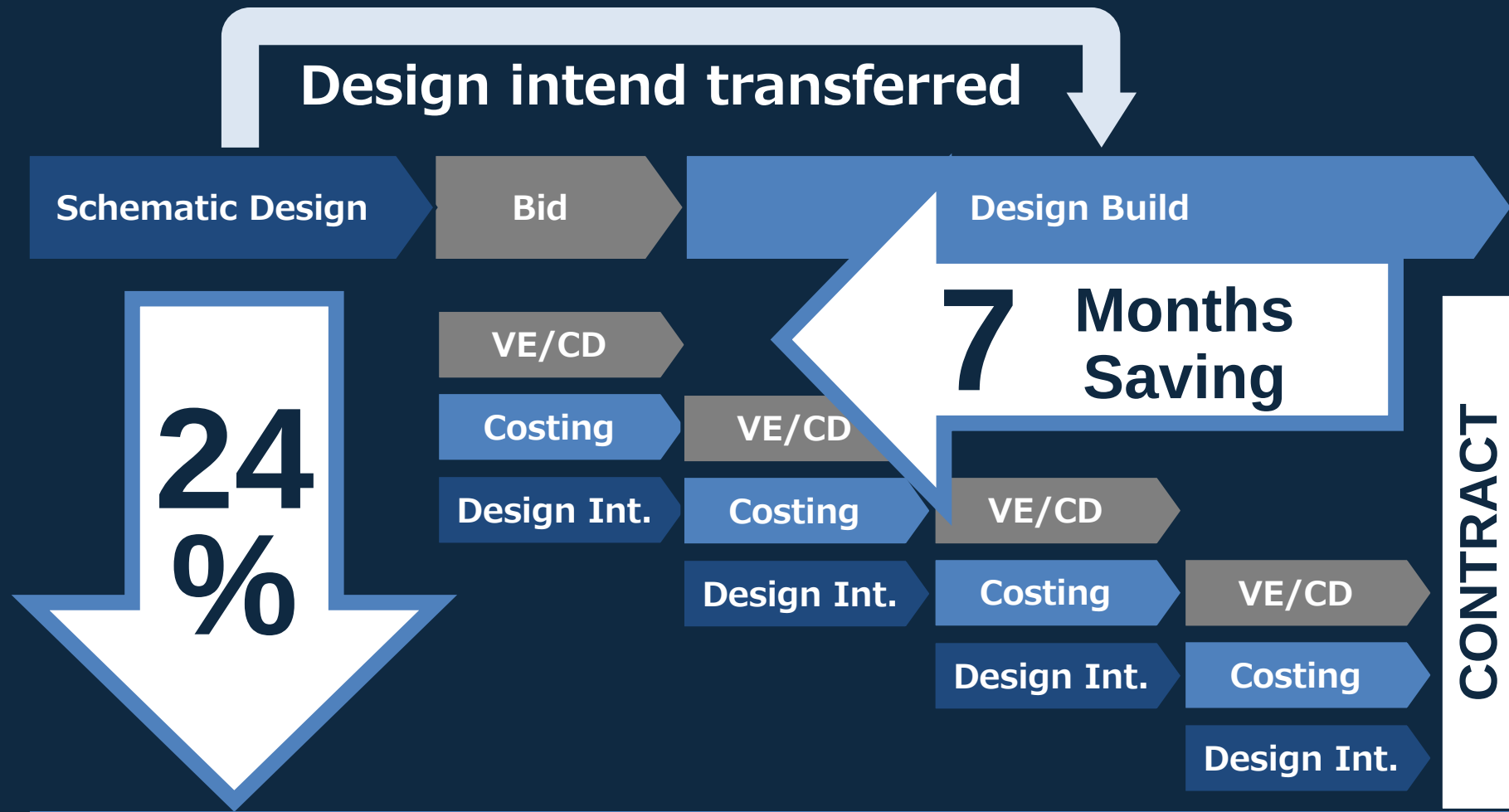
Stage 2

Stage 3

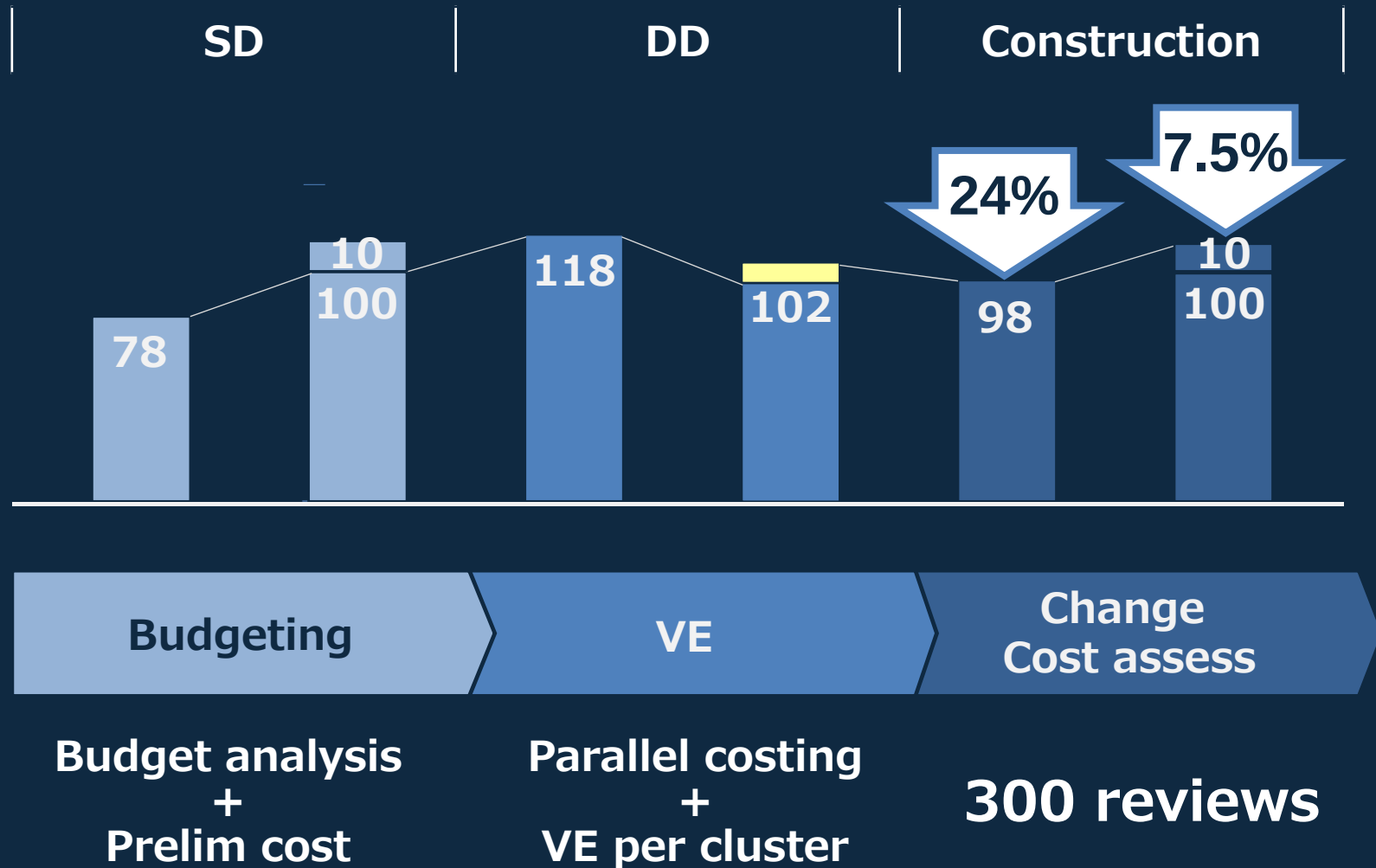
Stage 4

**Delay in costing,
Underdeveloped design,
Lengthy contract discussions**

Design + VE fast track



Cost transition



Quality Management



Owner's PM support



Contract Status list

Contract No.	Contract Name	Contract Type	Contract Status	Contract Value	Contract Start Date	Contract End Date	Contract Completion Date
1	Contract 1	Construction	Completed	10,000,000	2018-01-01	2018-12-31	2018-12-31
2	Contract 2	Construction	In Progress	20,000,000	2019-01-01	2019-12-31	
3	Contract 3	Construction	Not Started	30,000,000	2020-01-01	2020-12-31	
4	Contract 4	Construction	Completed	40,000,000	2017-01-01	2017-12-31	2017-12-31
5	Contract 5	Construction	In Progress	50,000,000	2019-01-01	2019-12-31	
6	Contract 6	Construction	Not Started	60,000,000	2020-01-01	2020-12-31	
7	Contract 7	Construction	Completed	70,000,000	2018-01-01	2018-12-31	2018-12-31
8	Contract 8	Construction	In Progress	80,000,000	2019-01-01	2019-12-31	
9	Contract 9	Construction	Not Started	90,000,000	2020-01-01	2020-12-31	
10	Contract 10	Construction	Completed	1,000,000,000	2017-01-01	2017-12-31	2017-12-31

Contracts tracking

Model Installation list

Model No.	Model Name	Model Type	Model Status	Model Value	Model Start Date	Model End Date	Model Completion Date
1	Model 1	Construction	Completed	10,000,000	2018-01-01	2018-12-31	2018-12-31
2	Model 2	Construction	In Progress	20,000,000	2019-01-01	2019-12-31	
3	Model 3	Construction	Not Started	30,000,000	2020-01-01	2020-12-31	
4	Model 4	Construction	Completed	40,000,000	2017-01-01	2017-12-31	2017-12-31
5	Model 5	Construction	In Progress	50,000,000	2019-01-01	2019-12-31	
6	Model 6	Construction	Not Started	60,000,000	2020-01-01	2020-12-31	
7	Model 7	Construction	Completed	70,000,000	2018-01-01	2018-12-31	2018-12-31
8	Model 8	Construction	In Progress	80,000,000	2019-01-01	2019-12-31	
9	Model 9	Construction	Not Started	90,000,000	2020-01-01	2020-12-31	
10	Model 10	Construction	Completed	1,000,000,000	2017-01-01	2017-12-31	2017-12-31

Model Installation list

FFE items list

Item No.	Item Name	Item Type	Item Status	Item Value	Item Start Date	Item End Date	Item Completion Date
1	Item 1	Construction	Completed	10,000,000	2018-01-01	2018-12-31	2018-12-31
2	Item 2	Construction	In Progress	20,000,000	2019-01-01	2019-12-31	
3	Item 3	Construction	Not Started	30,000,000	2020-01-01	2020-12-31	
4	Item 4	Construction	Completed	40,000,000	2017-01-01	2017-12-31	2017-12-31
5	Item 5	Construction	In Progress	50,000,000	2019-01-01	2019-12-31	
6	Item 6	Construction	Not Started	60,000,000	2020-01-01	2020-12-31	
7	Item 7	Construction	Completed	70,000,000	2018-01-01	2018-12-31	2018-12-31
8	Item 8	Construction	In Progress	80,000,000	2019-01-01	2019-12-31	
9	Item 9	Construction	Not Started	90,000,000	2020-01-01	2020-12-31	
10	Item 10	Construction	Completed	1,000,000,000	2017-01-01	2017-12-31	2017-12-31

FFE items list

An aerial photograph of a city, showing a multi-lane highway in the upper right, various buildings, and green spaces. The image is used as a background for the text.

CM Accomplishment

Project feature:

Language barrier / Custom difference

Highly integrated / Complex coordination

First experience / Staff shortage

Implemented:

CM as Communication bridge

Proactive action by Project status report

Extended CM scope by Time charge system

CM Manhour transition

Admin

Tech

CM

2013

2017



Owner PM's comment

“Meiho always remained level-headed and provided solutions to various issues. This project cannot be accomplished without Meiho's support.”

Ray Dubois, Senior project manager





Thank you

