

KONE JumpLift Technology

KONE People Flow solutions boosting efficiency during construction

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Planning

Plan for success …

… Planning is the only way to prevent failure.



Failure to plan
is
a plan for failure

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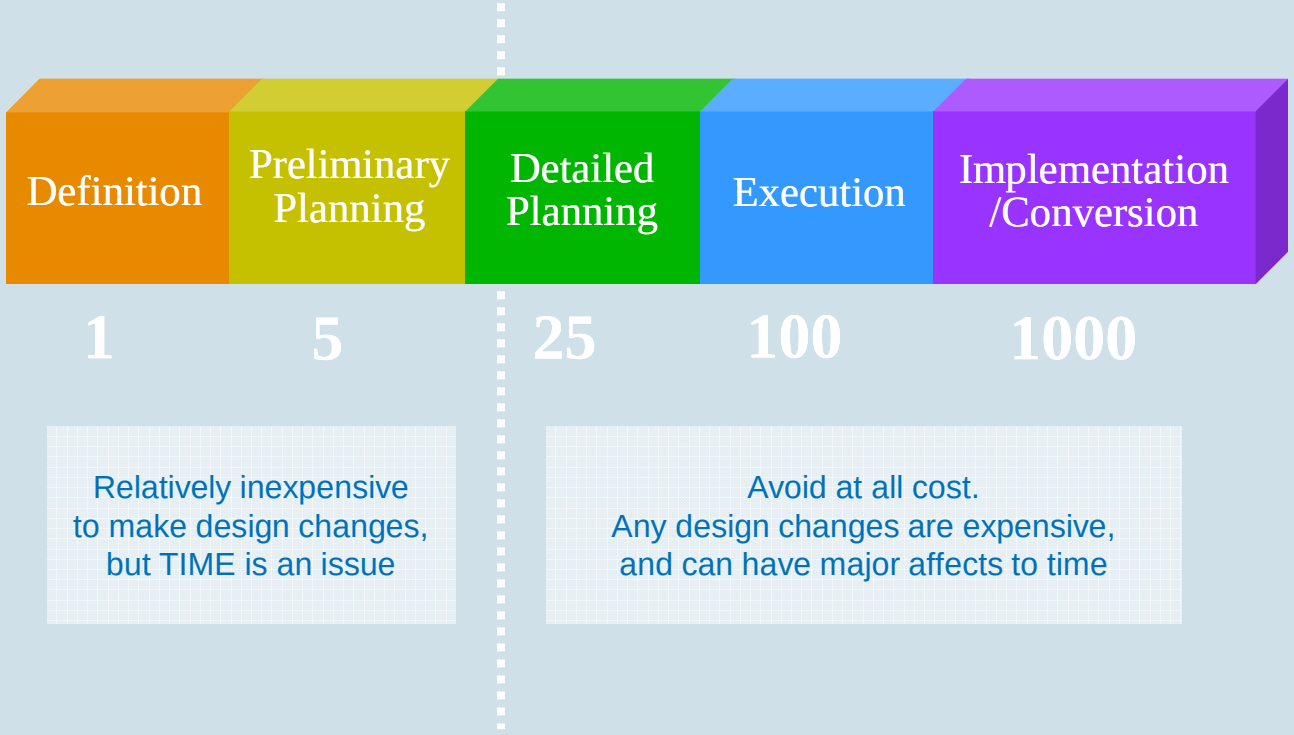
Planning
Design & approval

The design & approval phase is very important …

… must get it right.



Planning

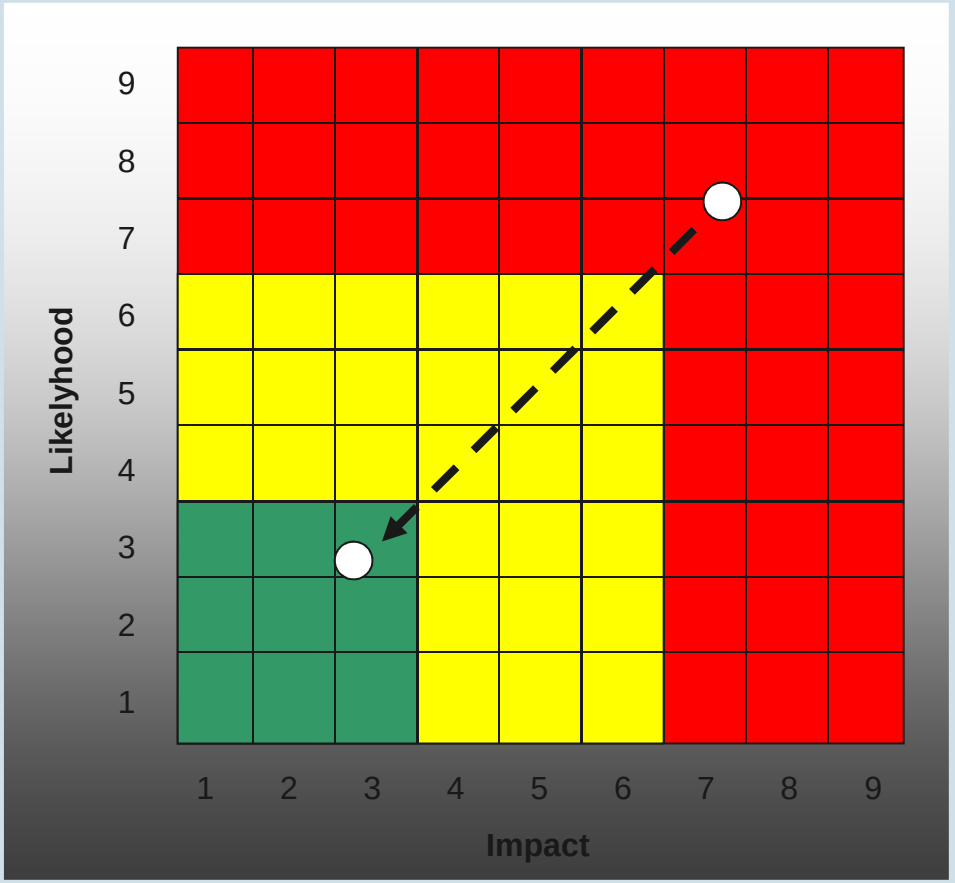


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Planning
Risk management

Identify risk …
… and manage risk.

- The risk universe is immense – we cannot manage all risks
- Prioritization = Focus on big issues first
- Risk tolerance = How much risk we are willing to take
- Both inherent and residual risk should be assessed
- A continuous and iterative process, not a one-time activity



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Planning
Communication



Planning

Good communication …

- Have a good S.U.M. (start up meeting) where everyone gets familiar with the overall objectives, goals and plans.
- Regular follow up of meetings & minutes to monitor joint progress.
- Clear Actions agreed and measured. Honor commitments.
- Atmosphere of collaboration & cooperation, we are all in this together.
- Avoid misunderstandings, keep it clear & simple.
- Know expectations, what is wanted from us, when is it required, how, etc…..conform to all requirements.
- Satisfy & Delight. Develop good working relationships and long-term collaboration.

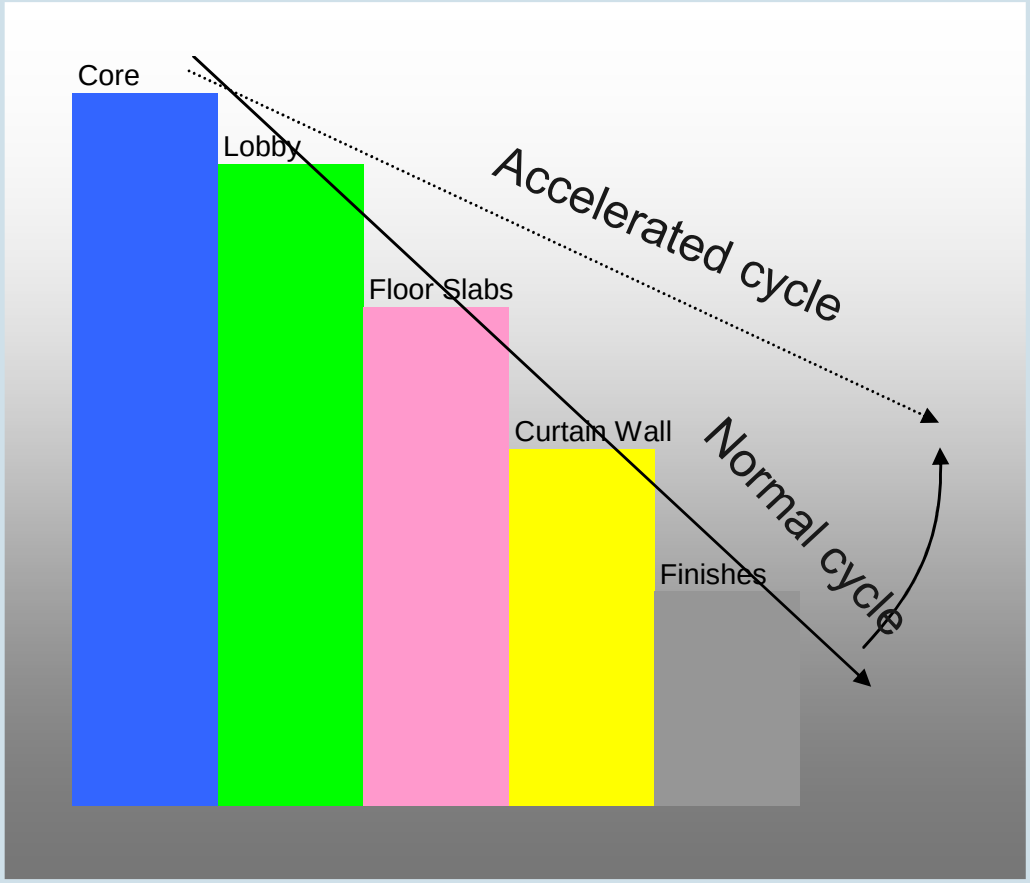
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Planning

Building cycle needs

- Where do KONE need to be in relationship to the Builder?
  - KONE would like to understand the Builders program especially transportation needs
- How can we help you to accelerate the cycle?





Planning
Bottlenecks

What are the biggest bottlenecks slowing down your cycle?





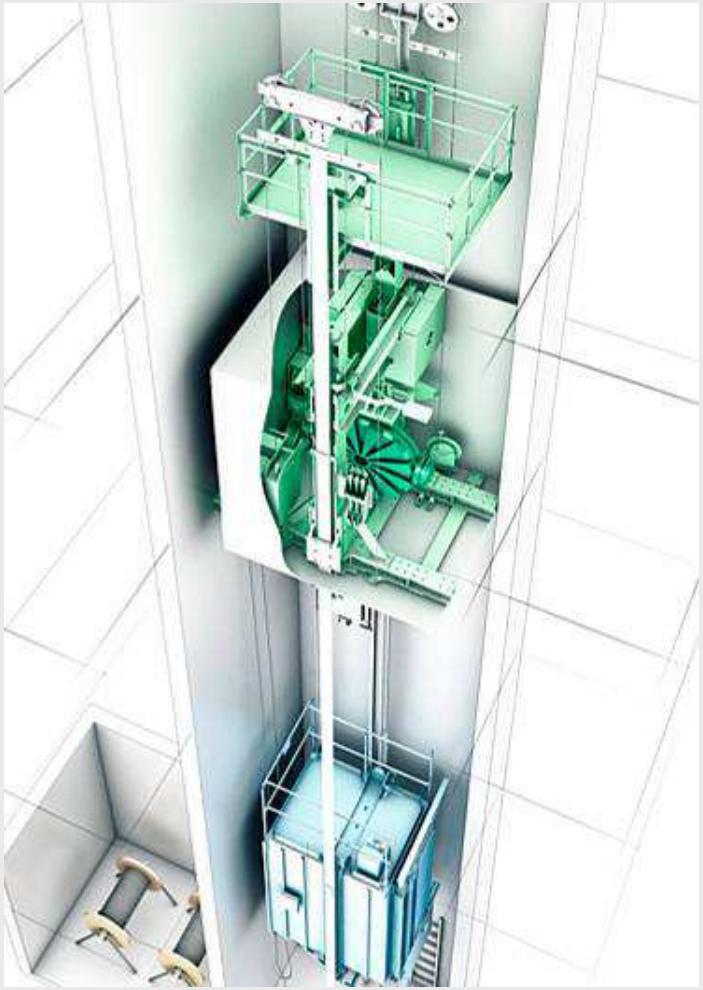
- **Movement of people**
  - Your vertical transportation during construction
- **Movement of materials**
  - Your crane(s)
  - Your vertical transportation during construction

Vertical transportation challenges you face during construction



- Slow vertical transportation
- Long waits for workers going to work
- Transportation of goods and tools
- Frequent breakdowns
- Weather delays
- Complicated logistics planning

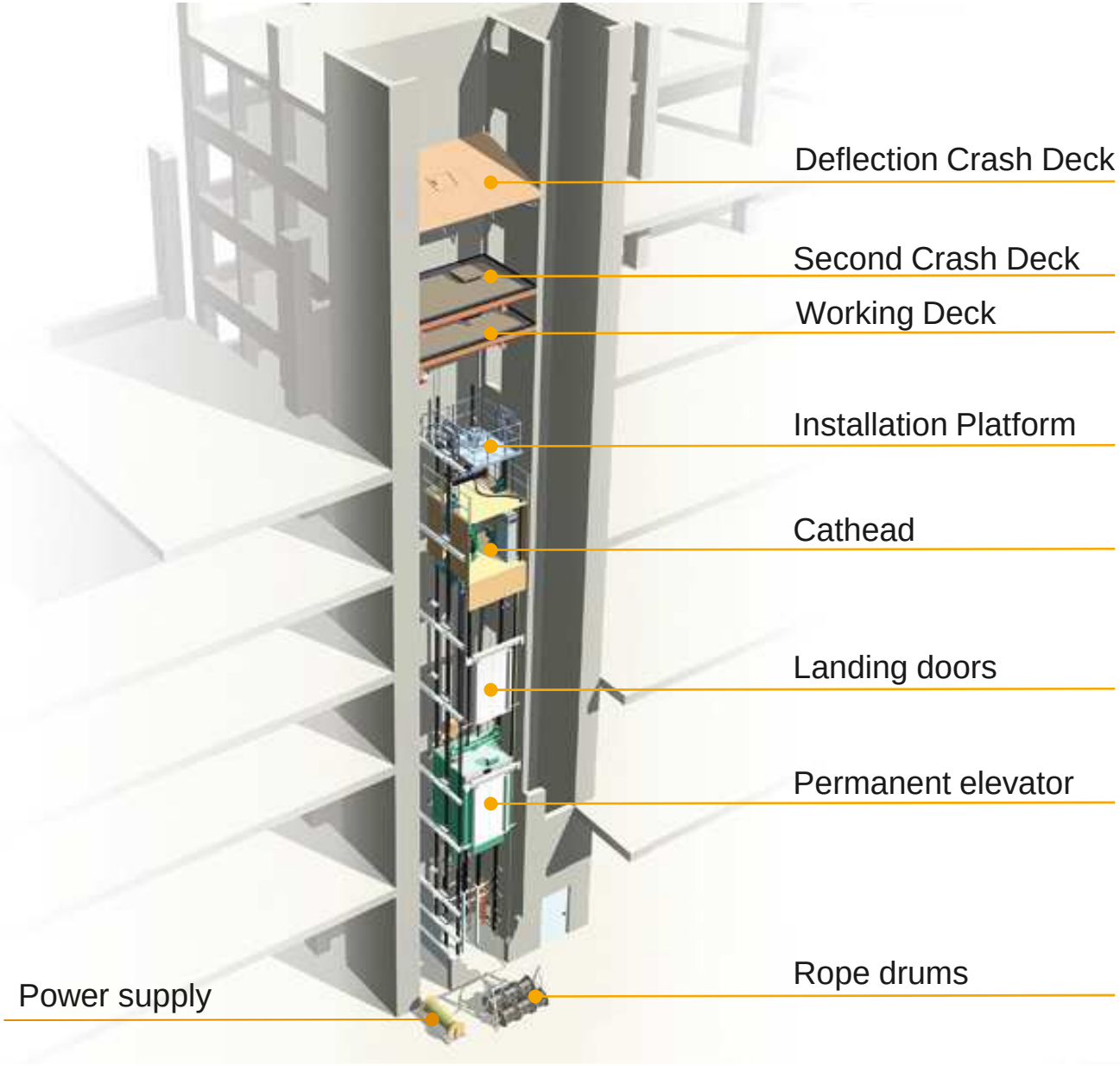
KONE JumpLift



- A self-climbing elevator that uses the building's permanent hoistway
- Uses a temporary machine room that moves upward (‘jumps’)
- Each jump is carried out at times that suit other construction activities
- Can start serving lower floors when construction has reached seventh floor
- Lower floors can be enclosed and finished sooner
- Transportation takes place inside building:
  safer, more reliable, fewer days lost due to weather

KONE JumpLift
Case Elite Tower

KONE JumpLift methodology



KONE JumpLift range

Platform	MAX travel	MAX load	MAX speed
KONE MonoSpace (Special)	120 m	1600 kg	2.5 m/s
KONE MiniSpace	180 m (1600 kg) 200 m (1350 kg)	1600 kg	2.5 m/s
	600 m	4000 kg	4.0 m/s

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The optimum solution



The optimum solution is a combination of:

- KONE CTU elevators
- KONE JumpLifts and
- Exterior hoists

- Get workers and goods to the right place at the right time
- Save time every day, every project
  - Workers spend less time waiting for exterior hoists and more time working
  - Enclose faster and start finishing lower floors sooner
  - Faster handover
  - Developer can start earning sooner

We can help you save time at every stage of the construction process



Planning



Construction

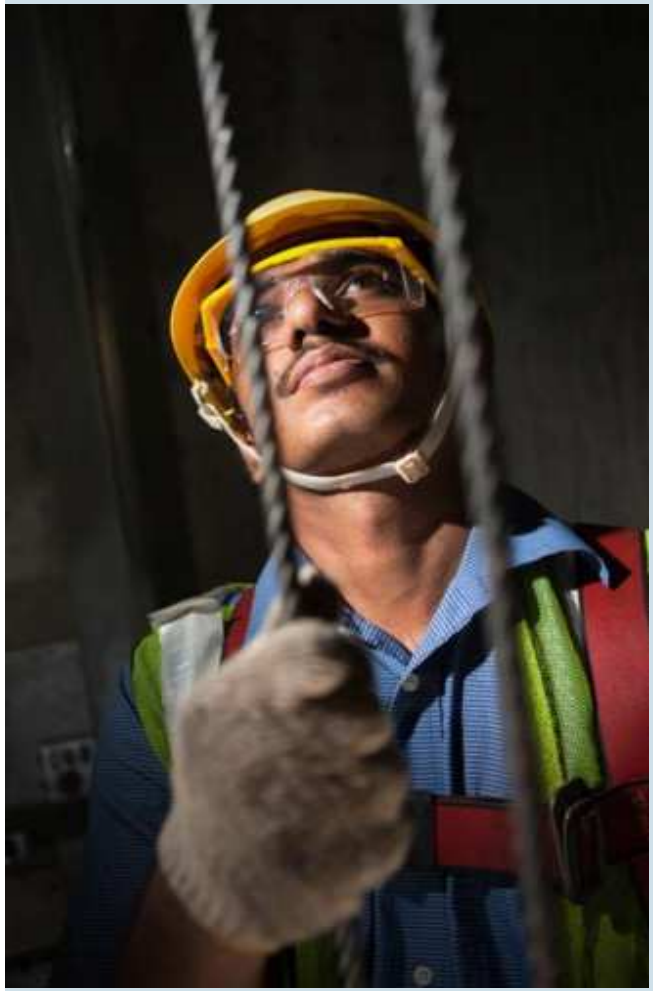


Finishing



Handover

KONE Care CTU maintenance solution



- Ensures equipment’s performance and safety, decreases downtime
- Each project is unique - KONE develops unique maintenance plan for each project
- KONE Modular Based Maintenance™ (MBM): a maintenance profile and schedule specifically designed for your project
- Systematic service to prevent problems before they occur

Our experience reduces your risks

- KONE construction time solutions proven in hundreds of projects worldwide
- KONE invented the JumpLift, and we have a proven track record
- KONE continues to improve its CTU products, making them faster, more reliable, able to serve higher buildings



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KONE JumpLift References



The KONE JumpLift System is an advanced technique that was developed by KONE to improve efficiency and safety of a building construction. Read what a KONE JumpLift customer has to say about this innovative approach.

Red Apple

Rotterdam, The Netherlans

'The JumpLift System is a safer way for us to transport our equipment and workers during construction and the fitting-out phases. We can use it in any kind of weather too, which considerably improves the progress of the construction site.'

Mr. Herman Knoop
Executive Vice-president,
Aannemings Maatschappij J.P. van Eesteren B.V.
The Netherlands

KONE JumpLift references



Aurora Plaza
Sydney, Australia



Turning Torso
Malmö, Sweden



Waterfont Place
Brisbane, Australia



Rembrandt Toren
Amsterdam, The Netherlands

KONE JumpLift references



Q1
Gold Coast, Australia



Circle on Cavill
Gold Coast, Australia



Aurora
Brisbane, Australia



Chevron
Gold Coast, Australia

KONE JumpLift references



MET, Bangkok, Thailand

- 3 KONE JumpLifts and 2 Construction Time Use (CTU) elevators

Due to the height of these 3 residential towers (70 floors) to be built on a fast track program, it was critical to look for efficient vertical transportation during the construction stage on the MET project in Bangkok.

In addition to standard hoist equipments located on the external facade of the buildings, we decided to use the 3 service lifts as JumpLifts, allowing us to bring up a large amount of materials and passengers in a very quick way.

We have been impressed by the technology provided by KONE: the JumpLifts have been set up in a very professional manner, KONE managed to jump up 3 floors every 5 days and the feeling inside the JumpLifts in operation was very good, as if we were using permanent service lifts!

These JumpLifts definitely played a key role on the progress, and therefore on the success of the construction.

Julien Esch

Project Manager - The MET

Bouygues Thai

KONE JumpLift references

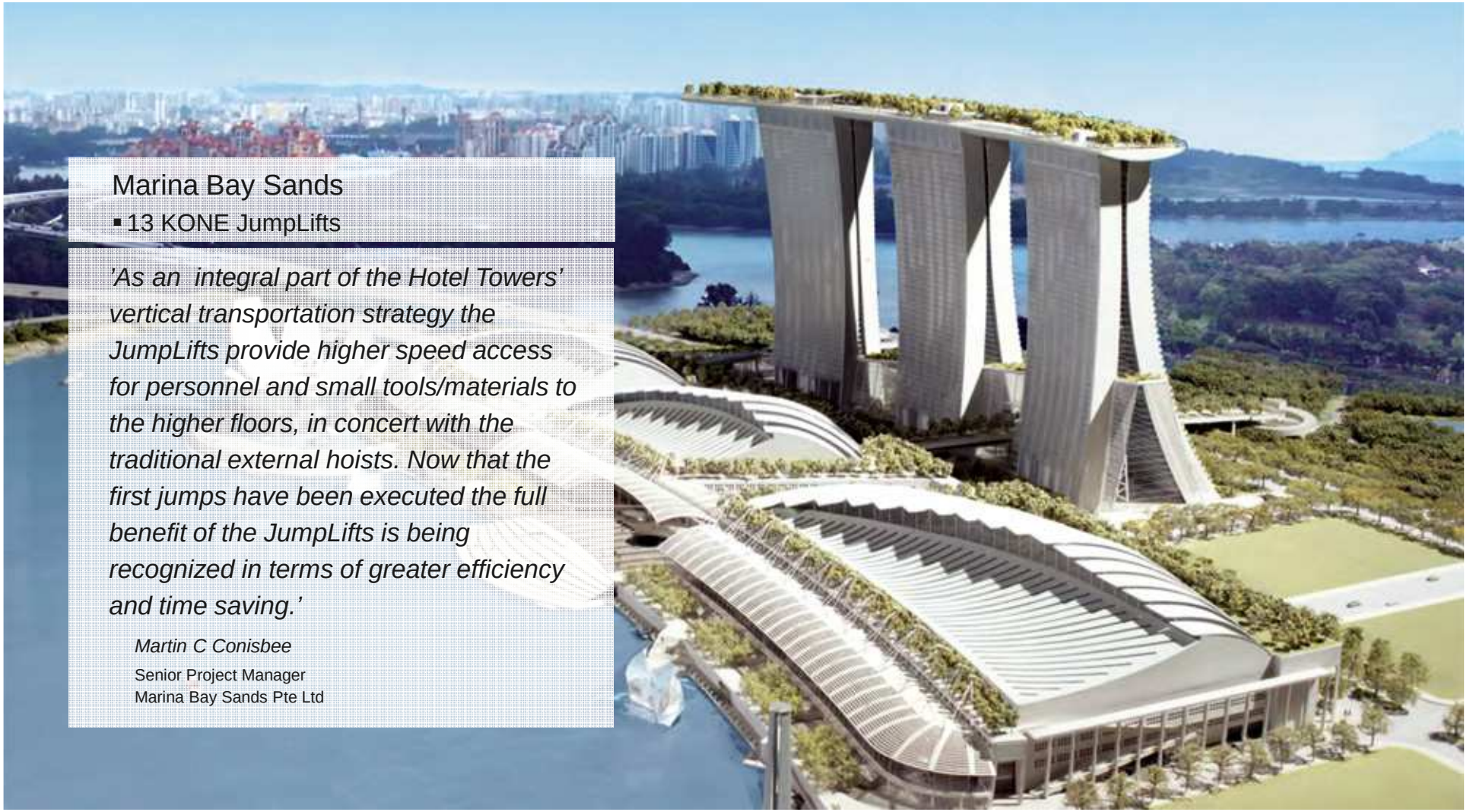


Rui Hong Xin Cheng Project
Shanghai, People's Republik of China
- 4 KONE JumpLifts

'The JumpLift solution is an innovative technology that provides flexible service in China. This solution requires less labor and improves safety, and it enhances vertical transportation and efficiency during the construction of the building.'

Mr. David Chen
Manager, E&M Engineering
Rui Hong Xin Cheng Project, Shui On Development Limited
Shanghai, People's Republic of China

KONE JumpLift references



Marina Bay Sands

- 13 KONE JumpLifts

'As an integral part of the Hotel Towers' vertical transportation strategy the JumpLifts provide higher speed access for personnel and small tools/materials to the higher floors, in concert with the traditional external hoists. Now that the first jumps have been executed the full benefit of the JumpLifts is being recognized in terms of greater efficiency and time saving.'

Martin C Conisbee
Senior Project Manager
Marina Bay Sands Pte Ltd

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KONE JumpLift™ references



The Shard, London

- 5 KONE JumpLifts

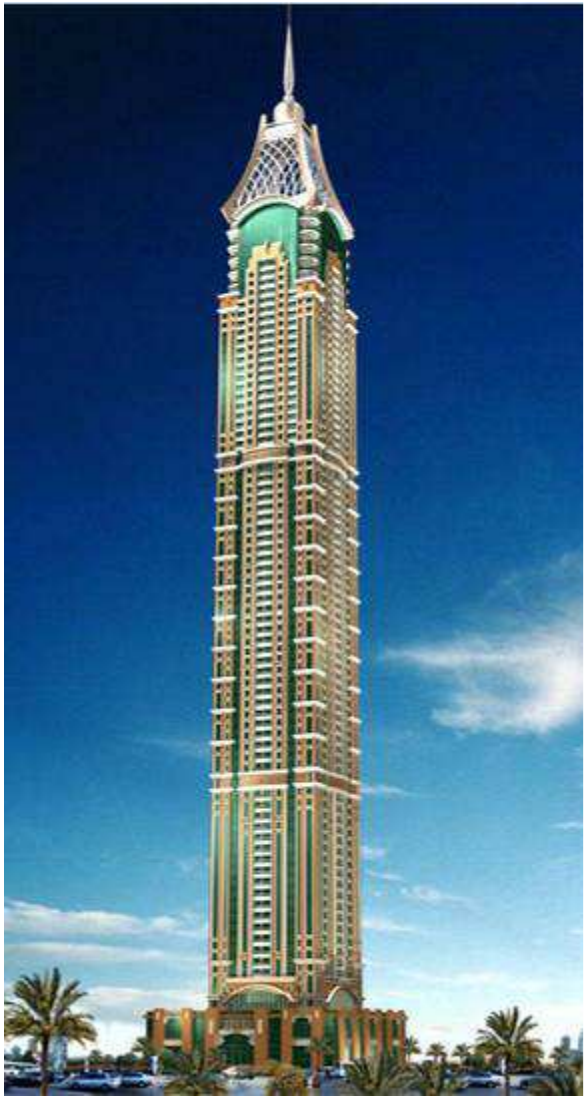
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KONE JumpLift™ references



Princess Tower, Dubai
- 3 KONE JumpLifts

Elite Tower, Dubai
- 2 KONE JumpLifts



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