

safety differently

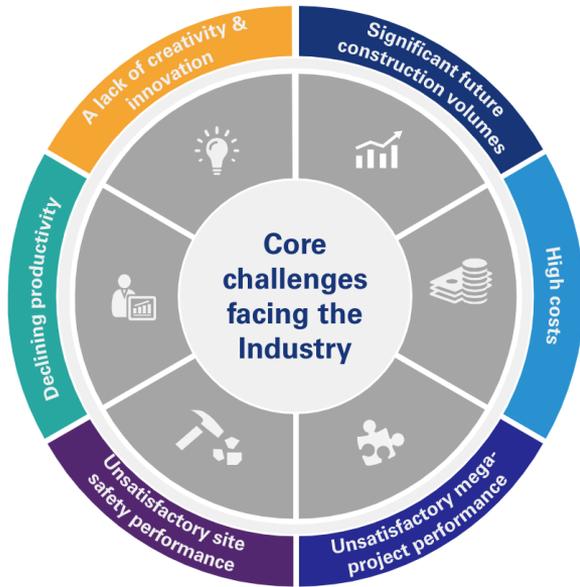
Enabling Safe High Risk Work

Working at Heights



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Construction 2.0 Time to Change Report



Pillar 1: Innovation

The vision: The development of an Industry culture that embraces change, innovation and new technologies to drive forward productivity, efficiency and enhanced project delivery outcomes.



Pillar 2: Professionalisation

The vision: Improved professionalism of the Industry through step change increases in project leadership, project management, procurement capabilities and professional skills and practices within Government and the private sector, to deliver higher quality construction and built assets, combined with a first priority focus on safety, construction supervision and quality in the workplace.



Pillar 3: Revitalisation

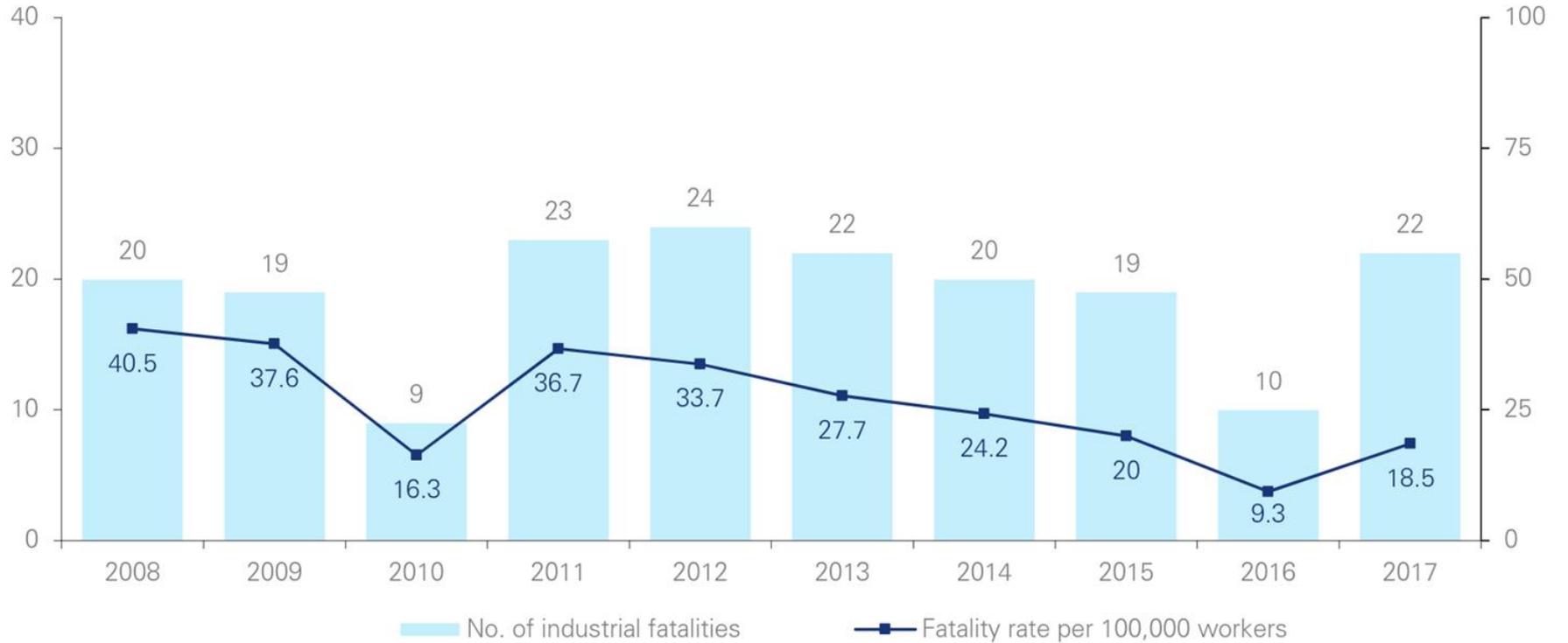
The vision: Reinvigorating the appeal and benefits of joining the Industry to attract and nurture growing numbers of young and energetic talent to the workforce and increasing the agility at the individual, organisational and Industry levels.



Source: Labour Department

No. of industrial fatalities

Fatality rate per 100,000 workers



Source: Labour Department



Source: Construction 2.0 Time to Change, The Development Bureau Sept 2018

Hong Kong FFH data

- 50% of construction fatalities FFH
- Fatigue
- Scaffolders and Unskilled
- Starting projects
- Primary contributor to FFH
 - 48% lost balance while not wearing adequate fall protection
 - 40% fell from from a collapse or malfunctioning platform
 - 12% struck by an object before falling



A glowing lightbulb with a filament, surrounded by a cloud of blue and white particles, set against a dark blue background. The lightbulb is the central focus, with its filament glowing yellow-orange. The surrounding particles are small, irregular shapes, some blue and some white, creating a sense of motion and energy. The background is a gradient of dark blue to light blue, with a bright light source in the upper right corner.

innovate - safety differently

The Dangerous Assumption

THE FOUNDATION OF A MAJOR INJURY

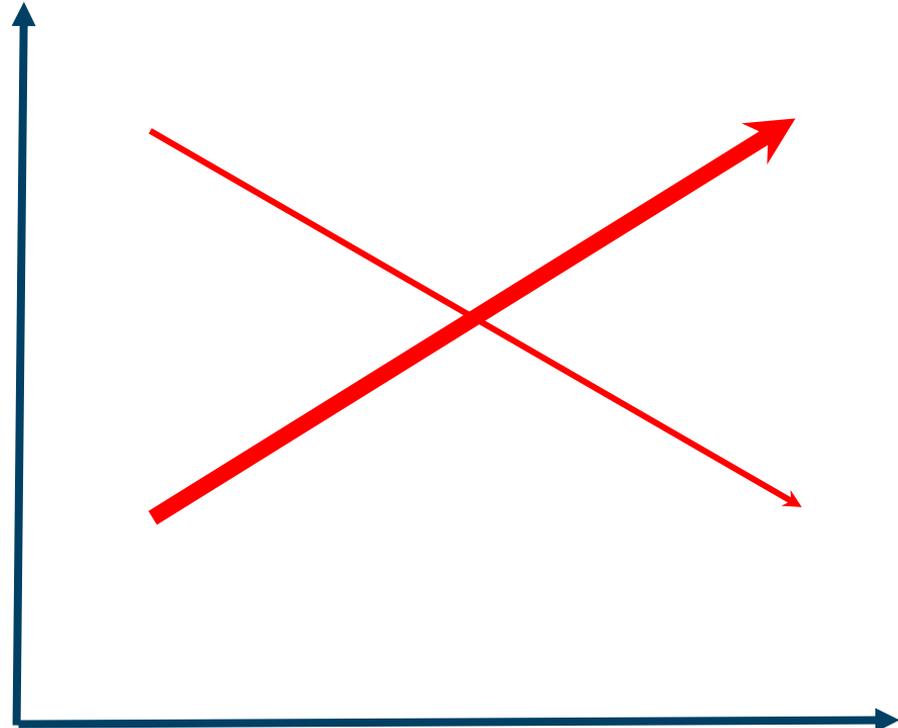


00.3% OF ALL ACCIDENTS PRODUCE MAJOR INJURIES-----
08.8% OF ALL ACCIDENTS PRODUCE MINOR INJURIES-----
90.9% OF ALL ACCIDENTS PRODUCE NO INJURIES-----

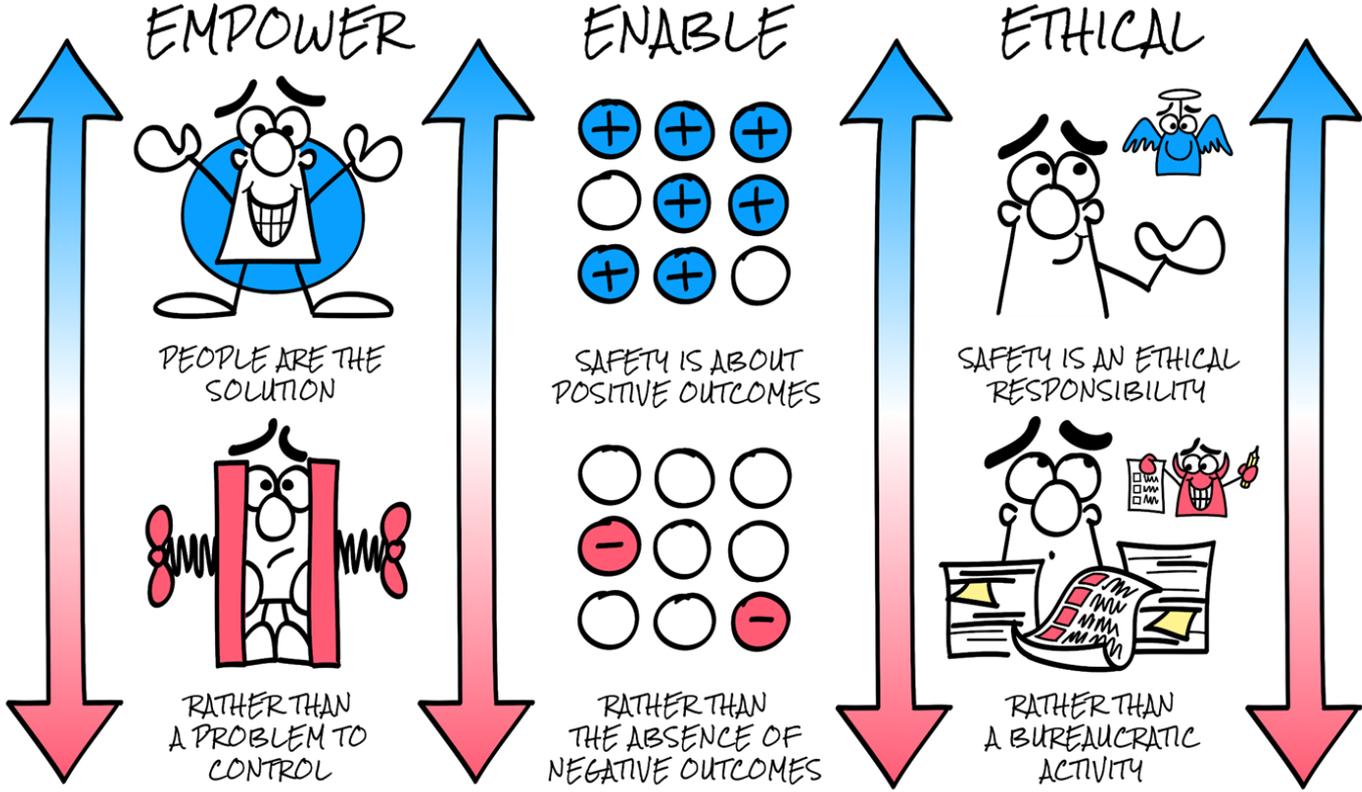
THE RATIOS GRAPHICALLY PORTRAYED ABOVE---1--29-300
SHOW THAT IN A UNIT GROUP OF 330 SIMILAR ACCIDENTS,
300 WILL PRODUCE NO INJURY WHATEVER, 29 WILL RE-
SULT ONLY IN MINOR INJURIES AND 1 WILL RESULT SERI-
OUSLY.

THE MAJOR INJURY MAY RESULT FROM THE VERY FIRST
ACCIDENT OR FROM ANY OTHER ACCIDENT IN THE GROUP.
MORAL—PREVENT THE ACCIDENTS AND THE INJURIES
WILL TAKE CARE OF THEMSELVES.

Incidents



Fatalities



Work as Imagined

What should happen
(to do list)

Ordered

By the book

Static/slow

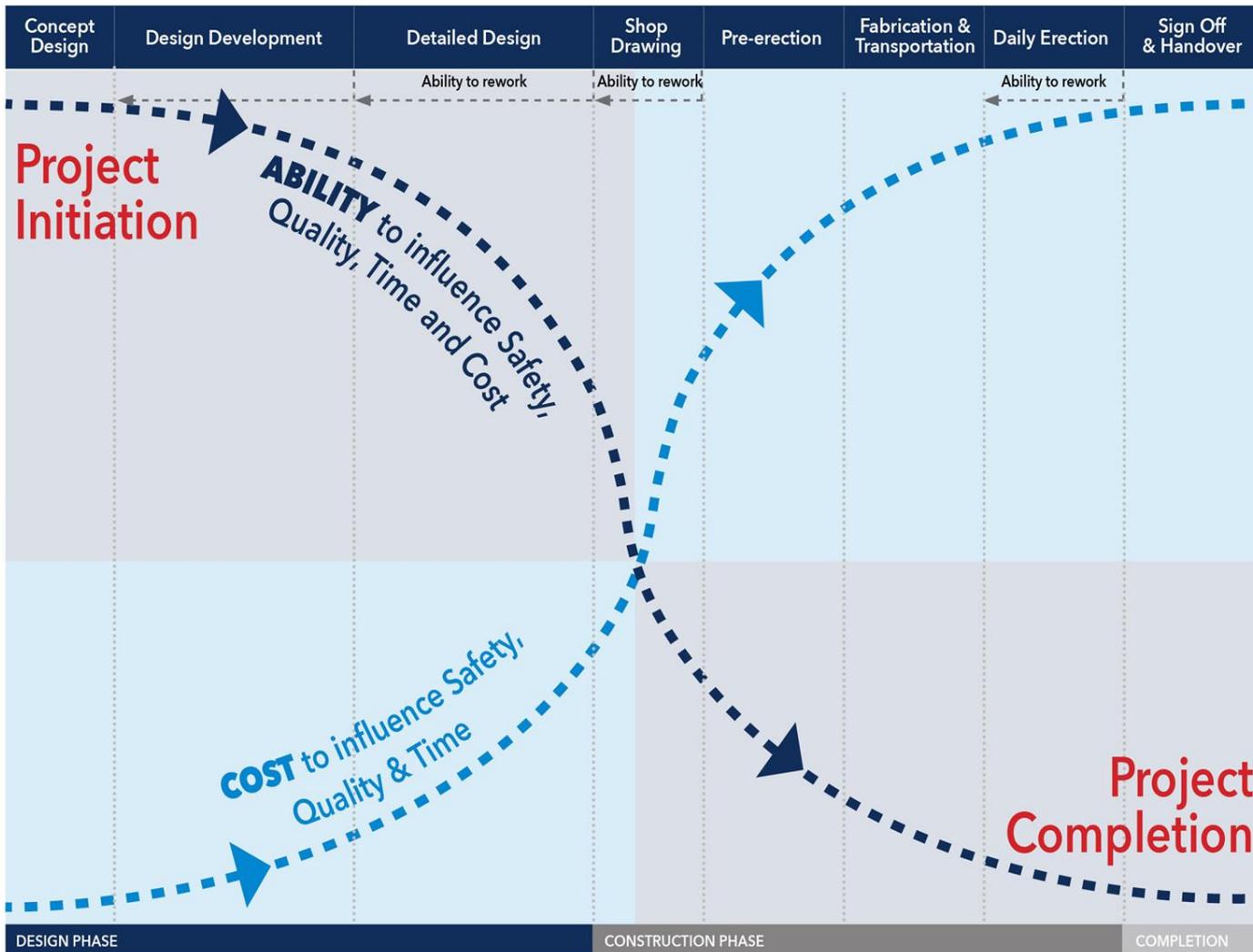
Work as Done

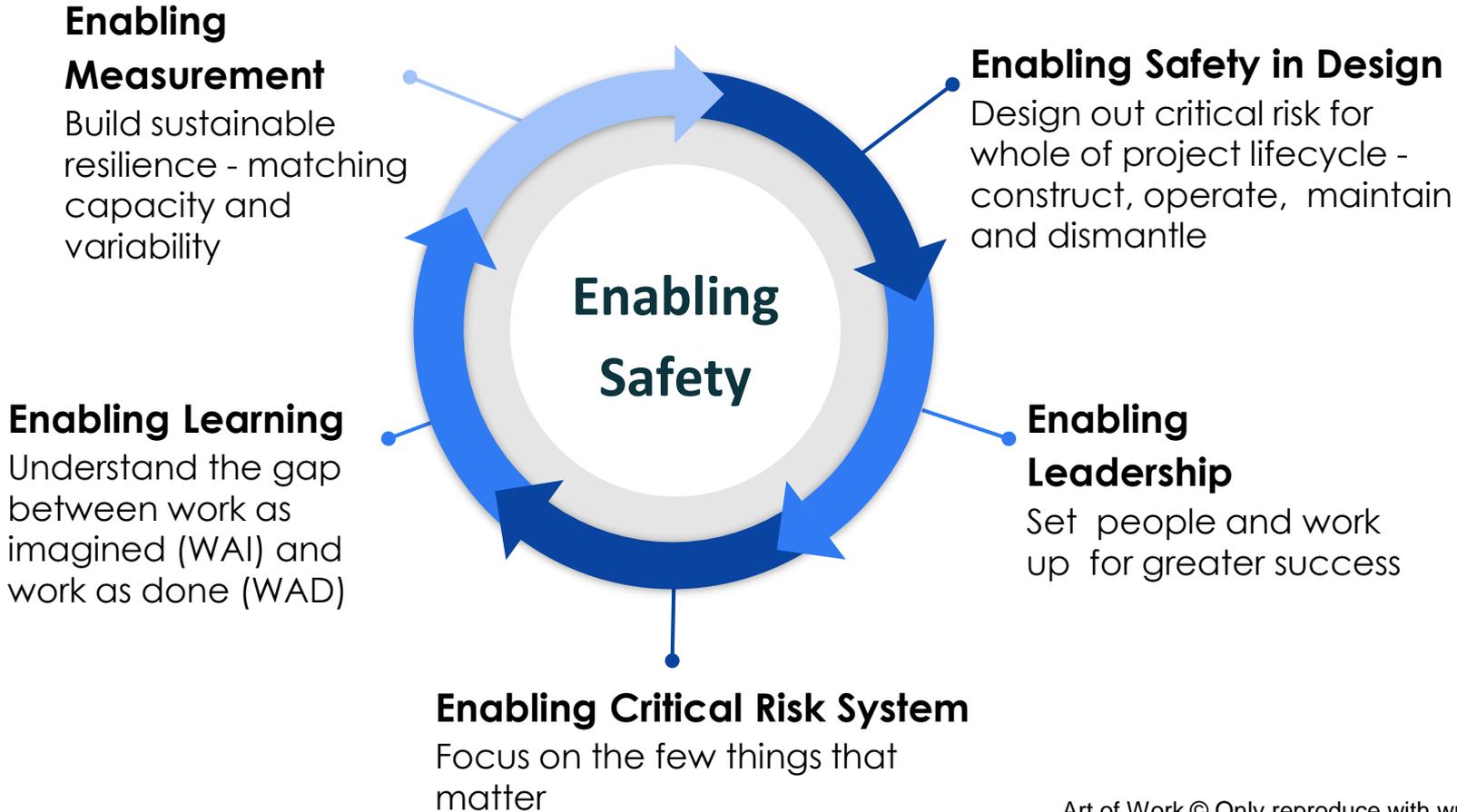
What actually
happens (did list)

Messy

By what is

Adaptive/quick





LAING O'ROURKE



NEXT
GEAR

Next Gear SMS



Downer

Relationships creating success

How is success created, challenged and broken?

What helps and hinders performance?

What tools, resources and strategies do people rely on to achieve success?

What conditions and constraints make work difficult?

What mechanisms are in place to understand how success is created/challenged?

Next Steps - Enabling Safety for Work at Heights



1 identify
critical
controls

2 engage
at design
phase

3 enquire
during
constructability

4 conduct
learning
team

5 leaders
critical risk
training

6 critical
risk
communication

7 review
tender
documents

8 enabling
safety
3 principles

9 Review
work method
statements

10 critical
risk
insights



[Presentation Paper](#)



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