







- Getting it right can get you go from great to greater

Speaker: Ir Prof Vincent HO, FCILT

Head of Corporate Safety, MTR Corporation Ltd.
30 August 2016, Tuesday

Supporting Organisations:























From great to greater – getting it right with corporate safety governance

Vincent Ho Head of Corporate Safety MTR

Contents

- Overview of MTR
- Corporate Safety Governance
- Our Challenges
- Our Roadmap
- Looking Ahead

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Overview of MTR

MTR's Hong Kong Transport Operations















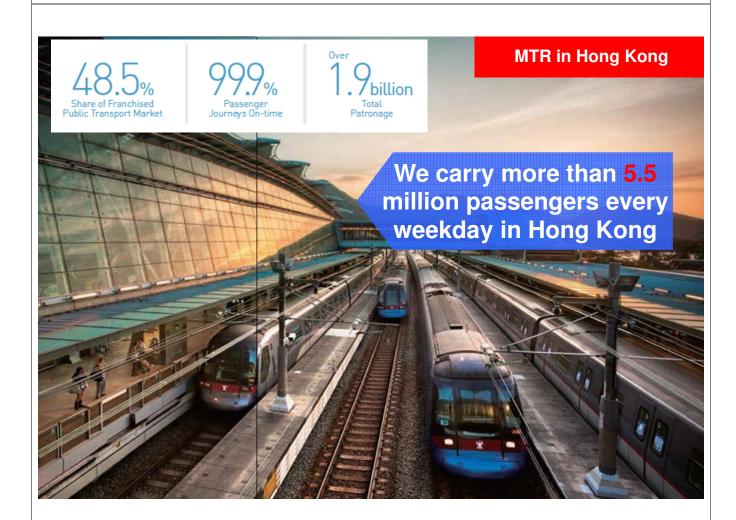


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Our Vision

"We aim to be a leading multi-national company that connects and grows communities with caring service"

Mainland of China and International Businesses

Over

1.59 billion

Passengers carried by our rail services

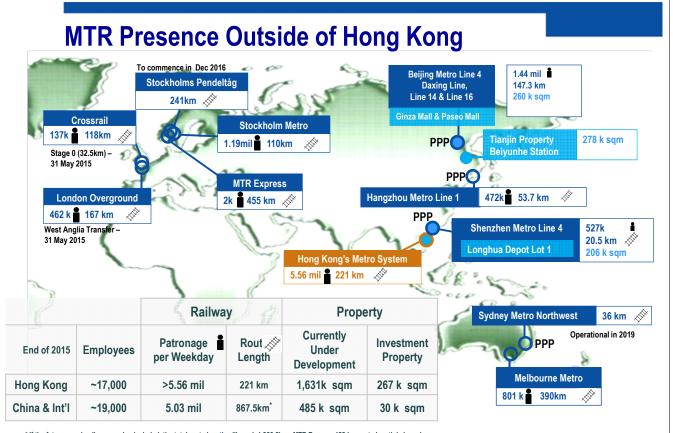
in

6 Cities

Outside of Hong Kong

Beijing Metro Line 4, 14, DXL The second second MTR Shenzhen Crossrail Metro Longhua Line Beijing Metro Line 4, Mainland of China Daxing Line of BJL4, Mainland of China herchen Metro Line 4, Mainland of China ordon Overground, United Kingdom Metro Line 1 ockholm Metro, Sweden Melbourne Metro, Australia MTR MTR Express and of Chir **Metro Trains** Stockholm Melbourne 12/10/2016

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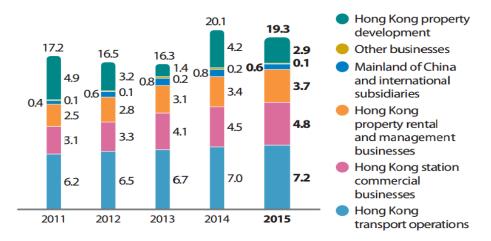


Performance of MTR's Business Segments

Operating Profit Contributions*

In 2015, the Group recorded reasonable profits from our recurrent businesses and moderate profits from our property development business.

(HK\$ billion)



Excluding project study and business development expenses

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35+ Years of Serving Hong Kong



- Established in 1975, listed in 2000, government maintains ~76% shares
- Commercially prudent
- Weekday patronage: 5.5million
- Share of Franchised Public Transport: 48.5%
- Currently building new lines expanding the current network
- Best-in-class rail performance per international benchmark
- Strong non-fare revenues
- · Contactless smart card Octopus
- Property Development and Property Management
- Consultancy services
- Training MTR Academy

Unlike most metro operators, MTR also build railways, develop and manage property projects, operate non-fare services, and expand globally

mage property projects, operate non-tare services, and expand globally

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What is MTRC?

- There is not such thing as MTRC
- We are known as MTR, MTR Corporation, or MTRCL

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Corporate Safety Governance

What Safety Governance is about?



Characteristics of Top Management Exercising **Sound Corporate Safety Governance (CSG)**

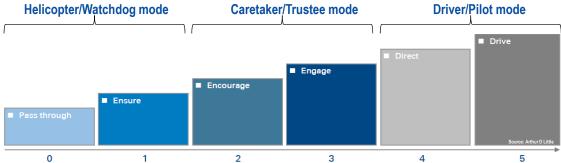


- Set clear safety objectives, strategic direction, and key performance indices
- Maintain oversight on internal controls
- Review safety performance against defined accountabilities
- Ensure availability of resources, define boundaries & respective authorities
- Ensure communication channels in place are effective
- Ensures obligations to stakeholders / shareholders are met

Top management Actively Lead by example with a passion

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Styles of Governance – Stairway Model



There is normal solute corporate companies and activities and are interpreting and acting on results.

- Each style has its pros and cons, and different levels of involvement/ investment
- Good safety performance can result from any style
- A company usually displays a style that reflects the collective mind-set of the Board but may not be aligning to its particular needs

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Simply Speaking, Corporate Safety Governance (CSG) is

The checks and balances that a company puts in place to ensure that

- Safety is properly managed at all levels in the interests of all stakeholders
- Safety systems are in place at business units, meeting corporate requirements and allowing effective oversight
- The company is ahead of its competitors through continuous improvement in safety

Safety governance is distinct from safety management

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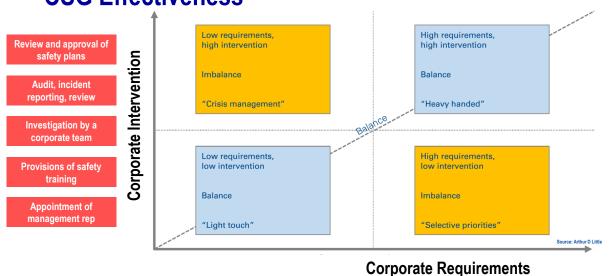
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WW2 Safety governance refers to a higher level processes by which the management is held accountable, and through which the organisation is directed and controlled by their directors – how management protects the corporation's brand name and our investment

WW3 Safety management can be thought of as regular day-to-day safety decisions and actions to run the operations – how organization manages the workforce to deliver safety objectives

Windows User, 18/06/2016

A Simple Two Dimensional Model to Compare CSG Effectiveness



Most companies tend to think they have a balanced CSG approach

Detailed standards

set by corporation

Specification for

structure of a SMS

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Goals developed in line

with corproate model

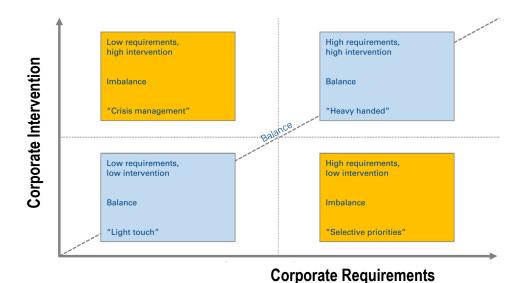
Req. to comply with

external standards

Corporate

Reporting of

If you run MTR, where will you want to be on this chart?



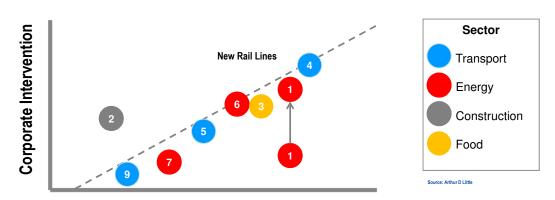
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How does MTR position itself in CSG?

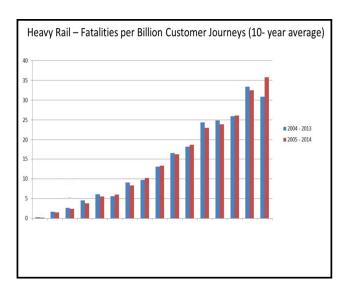


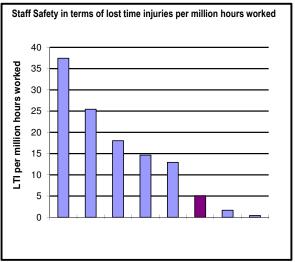
Corporate Requirements

- We tend to have relatively more intervention (review, audit, board meetings), and apply fit-for-purpose CSG style to different businesses
- Statistics do not show direct correlation between CSG style and accident rate

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Benchmarking on Customer/Public and Workforce Safety Performance amongst international railways





MTR safety performance has been amongst the very best in the world

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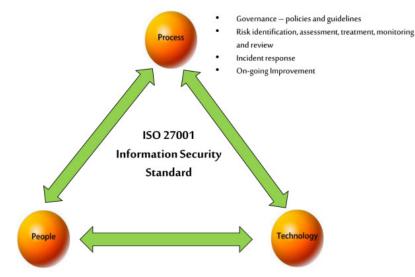
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Other Governance Models

- **People**
- **Process**
- **Technology**
- Leadership
- **Organisation**

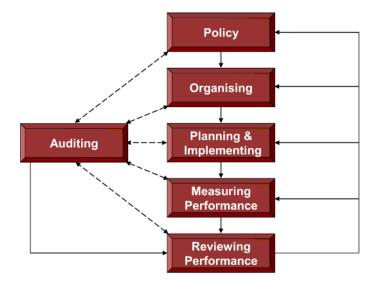


- Security awareness
- Internal and external expertise

- Enforcement of policies
- Preventive, detective and corrective controls to protect assets from threats



Managing for Health and Safety (HSG65) Model



Elements of HSG65 POPIMAR

- Policy
- Organising
- Planning & Implementing
- Measuring performance
- Audit
- Reviewing performance

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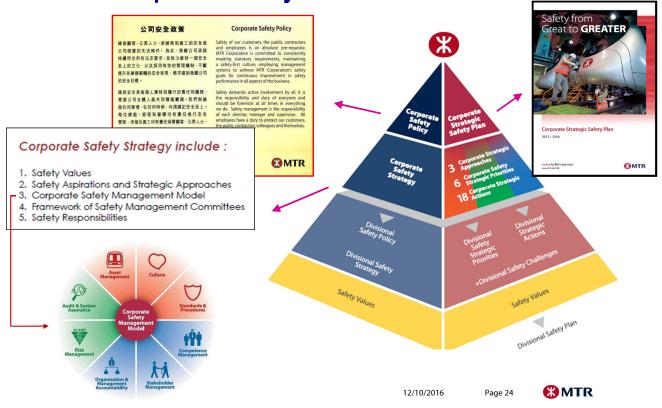
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We have been doing Great... (I think) How did we do it?

MTR Corporate Safety Governance Framework



MTR Safety Values



bsolute Pre-requisite

Keeping safety-first in our hearts and minds and in everything we do.

L

earning and Sharing

Sharing lessons learned and knowledge across our businesses.

Learning from other railways and industries to seek continuous improvement.



xcellent Performance

Always being committed to improving safety performance and not being complacent. Setting high safety standards and, as a minimum, meeting or exceeding statutory requirements.



esponsible Citizen

Being a responsible corporate citizen caring for the safety of stakeholders.

Listening and responding to the safety needs of communities and stakeholders.



otal Commitment and Ownership

Safety is everyone's responsibility and must be ingrained in our DNA. Safety management is the responsibility of each director, manager and supervisor.

MTR Safety Aspirations



(1) To be amongst the very best in safety performance globally

(2) To be the safest mode of public transport in City where we operate

Set clear objectives

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Strategic Approaches to Achieve our Safety Aspirations





Improvement

Engaging

Corporate Safety Management Model

All business units use the same safety language



CSG Requirements for all Subsidiaries

- MTR's Corporate Safety Strategy to be adopted
- Corporate Safety Values to be shared and
- Corporate Strategic Safety Plan to be referenced, with the extent to be agreed by the relevant MTR Management

CSG procedures lay down detailed arrangements



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WW13 Safety governance refers to a higher level processes by which the management is held accountable, and through which the organisation is directed and controlled by their directors – how management protects the corporation's brand name and our investment

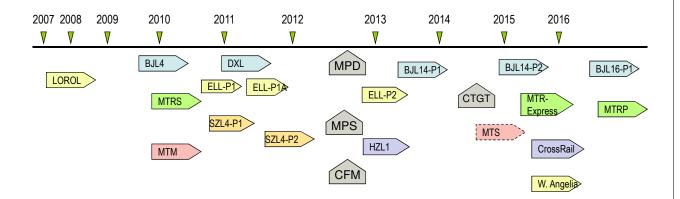
WW14 Safety management can be thought of as regular day-to-day safety decisions and actions to run the operations – how organization manages the workforce to deliver safety objectives

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We do have our own challenges...

MTR Expansion to Overseas ...



To date, MTR has transport and property operations in Ten cities, four countries, three continents

Safety Challenges

- Each business unit has its own local culture, while under one umbrella of safety governance
- Complex nature and diverse locations of business
 - > China Beijing, Shenzhen, Hangzhou
 - Europe London, Stockholm
 - Australia Melbourne, Sydney
- Pressure and focus in business, timeline and resources
- Internal/ external safety standards and requirements
- Maturity level and social settings
- Levels of expectation
- Contractors safety awareness

Universal response when addressing CSG req't:

- This is not HK, we do things differently
- · We don't have the time, money or resources
- This duplicates our local processes
- Workers are uncooperative
- Don't bother me with these safety stuff, I need to meet business targets.

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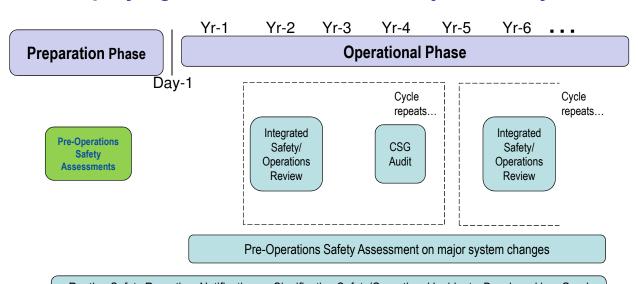
Hierarchy of How Subsidiaries Response to HQ Requirements

- Fight it
- Ignore it
- Hide it
- Delay it
- Too chaotic to enforce it
- Other people's problem
- Resent it come up with its own solution
- Team up with local
- Do it
- Love it (??)



Our roadmap to make them "Love it" -**Fostering a Pan-Corporate Learning and Sharing Culture**

Simplifying CSG Framework for Project Life Cycle



Routine Safety Reporting, Notification on Signification Safety/Operational Incidents, Benchmarking, Good Practice Sharing, Culture Surveys,....

2-2 Framework: Intervention on a fit-for-purpose basis



Integrated Safety/Operations Review (ISOR)

A structured, scalable framework for Peer Review, which first took place in 2012

Objectives of ISOR

- Identify good practices to be shared between Businesses
- Identify areas to further improve operations



Participants of ISOR

- Heads of discipline in Safety, Operating, and Asset Management from each MTR Business Unit
- Local regulators and business partners are welcome

Skeptical at first but now everyone loves it now

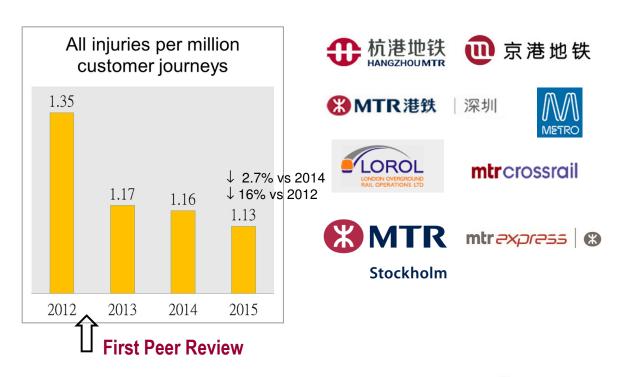
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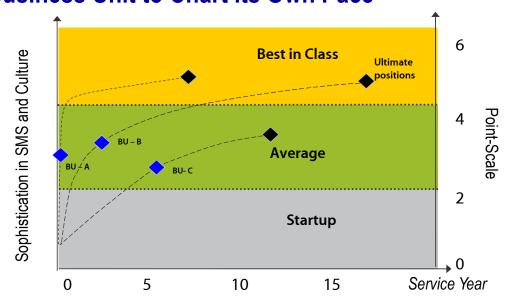
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Safety Performance of Subsidiaries/Affiliates



Safety Management Maturity Model that Allows Business Unit to Chart its Own Pace



It takes time to build castles, Rome was not built in one day...
So does SMS

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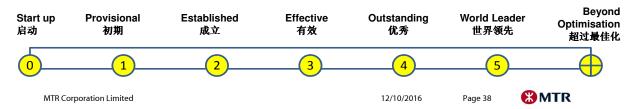
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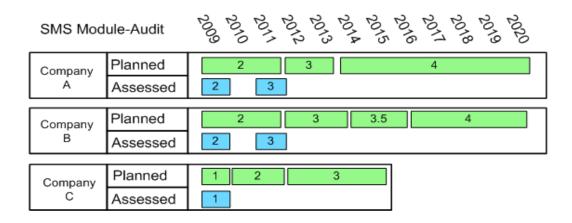


SM³ – Basis and Assumptions

- SMS growth are measurable based on the 8 core elements (pillars or modules) in MTR-SMS
- For each core element, criteria are developed for achieving each stage
 - in maturity scale **Organization & Asset Management Management Accountability** ☐ Stage 0 – Start-up **☐** Stage 1 – Provisional (ad hoc) Standards & Competence **Procedures** ■ Stage 2 – Established (managed) **Management Audit & System ☐** Stage 3 – Effective (operational) **Risk Management Assurance ☐** Stage 4 – Outstanding (well-managed) Culture Stakeholder ☐ Stage 5 – World leader (world class) Management
 - Stage ☆ Beyond optimisation (might have gone too far!)



Plan and Gauge SMS Maturity Rate



We apply a 6-point scale to give flexibility to businesses, and encourage business units to learn from each other

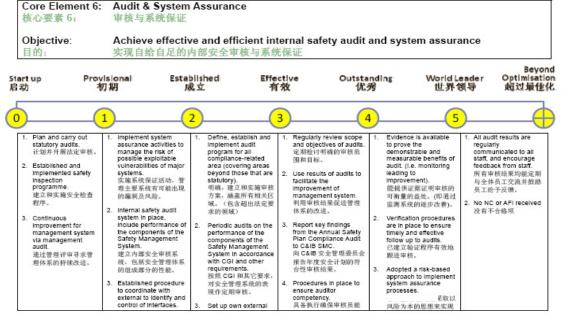
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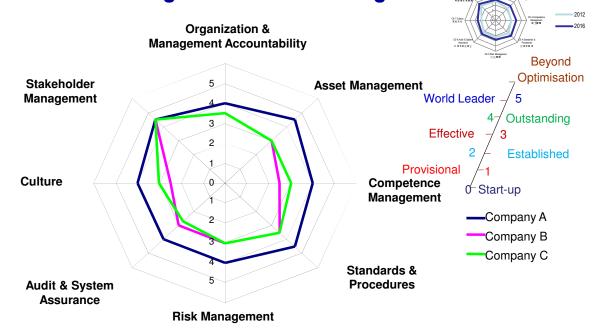


Criteria Developed for Meeting Each Stage



A Stage is achieved after fulfilling its criteria; assessment is conducted by Peer Reviewers

Oversee and Align SMS Growth Progress



SM³ is a tool to plan and track SMS maturity; also help identify focus for attention and benchmark.

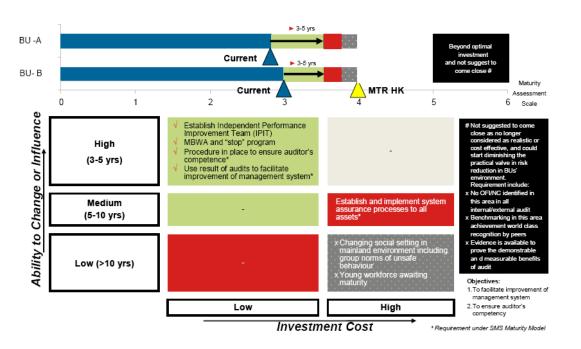
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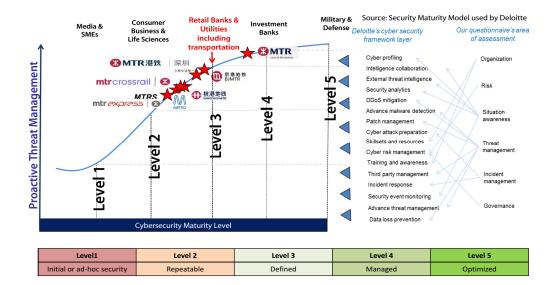


Identify Gaps and Way Forward



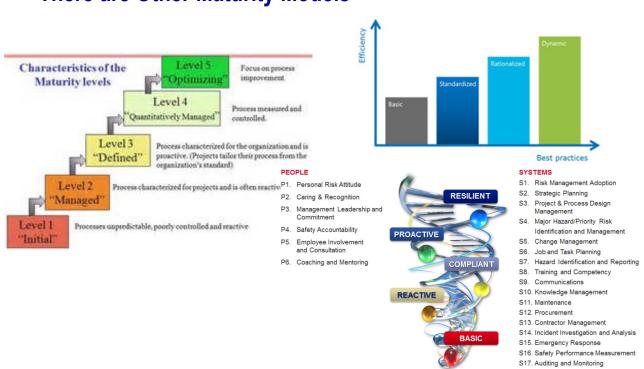
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There are Other Maturity Models



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There are Other Maturity Models

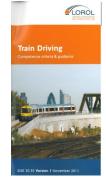


Sharing of Good Practices – The Journey of "MTRisation"











We aim to be influential, not dictating

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Corporate Portals for Safety Learning









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Regular Benchmarking on Safety Topics and Sharing of Good Practices



2011 C&IB Safety Performance Benchmarking Benchmarking of Satety Injury Reporting Criteria Audit Finding Categories Train Cab Door Interlocking Practice Safety Initiatives for Top Passenger Incident Categories External Certification Status Escalator Maintenance Management SWOT Analysis assenger Accident Reporting Mechanism Benchmarking of Safety Performance tractice in Preventing the SNCF Accident (12-7-2013) Control And Prevention of Avian Flu in China BU Suicide Prevention and Unauthorised Track Access
External Certification Status
Protection against Train Derailment due to Overspeed injury Reporting Criteria enchmarking of Safety Performance CGI Compliance
Train Door/PSD Gap
Safety Training Requirements 2014 Adverse Weather related arrangement and control measures Tunnel Fire Emergency rowd management (Public panic or disorder)

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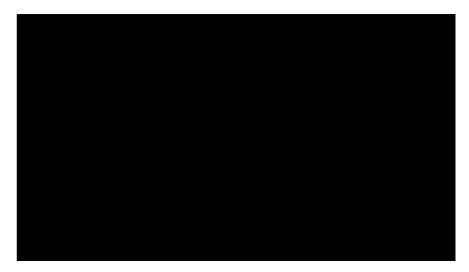
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Share Lessons Learnt from Worldwide Incidents and Accidents



Sharing of Pan-Corporate Safety Promotion Initiatives



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Project Safety Video





Looking ahead

Food for Thought and Takeaway...

- Effective Safety Governance depends on the company's growth and development, the nature of the industry, local legal requirements/standards, culture, and preference
- Companies can put in place different levels of controls and requirements across different business units, aligning to its particular needs
- Lead with a passion from top down
- Effective CSG can be fun and enjoyable by businesses

There is no magic bullet, no single one right CSG style.

A fit-for-purpose, adaptive CSG model can help your company to excel

Food for Thought and Takeaway...





Safety is an absolute pre-requisite of everything we do and is a key factor for the Corporation's on-going success. Let us work together to achieve greater safety performance.



Enhance Risk Awareness, Foster Learning, Prevention Culture

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