

Bridging Silos: Digital Solutions for Integrated Risk Management

Disclaimer

This presentation is for educational purpose and does not replace the judgement of independent professionals.



How do these pieces fit
together?





Digitalization

Building and Construction



Authority

An MND Statutory Board



MINISTRY OF
MANPOWER

- a) Electronic Permit-to-Work System (ePTW) which allows full visibility of ongoing high-risk activities and identifies conflicting works; and

(Sent via BCC)

ENHANCEMENT TO WORKPLACE SAFETY & HEALTH REQUIREMENTS IN PUBLIC SECTOR CONSTRUCTION AND CONSTRUCTION-RELATED PROJECTS.

- (1) HARMONISED WSH REQUIREMENTS ACROSS PUBLIC SECTOR PROJECTS
- (2) ENHANCED SAFETY-RELATED TENDER EVALUATION CRITERIA
- (3) MEASURES TO INCENTIVISE GOOD WSH STANDARDS

Safety Management has evolved significantly over the past few years





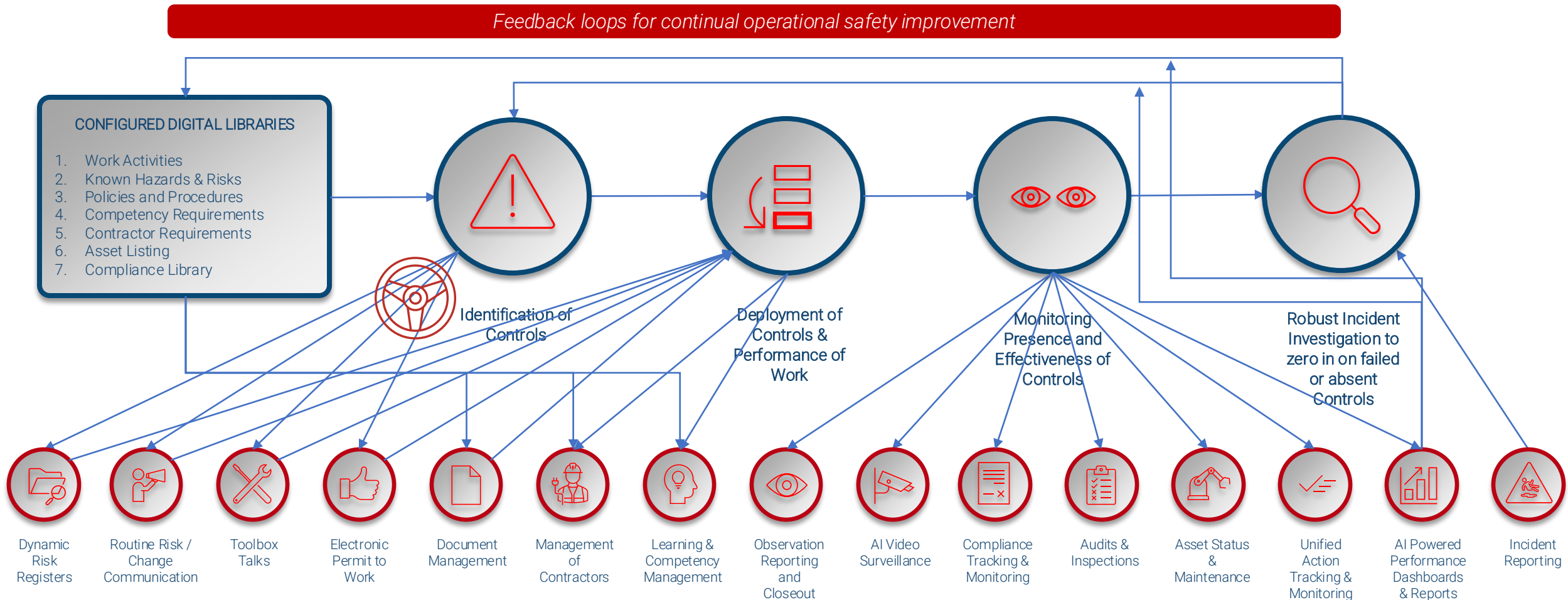
But, can we confidently say we've broken down the silos in how we manage safety?

An aerial photograph of a large port area filled with stacks of colorful shipping containers. A large red semi-transparent rectangle is overlaid in the center of the image, containing the title text. In the background, a yellow gantry crane is visible against a clear sky.

Case Study

Implementation of a Digital Safety Management System at a Port

Digital Transformation in Safety happens when multiple modules combine to form a unified, holistic, **controls-driven** safety ecosystem, breaking down **silos**



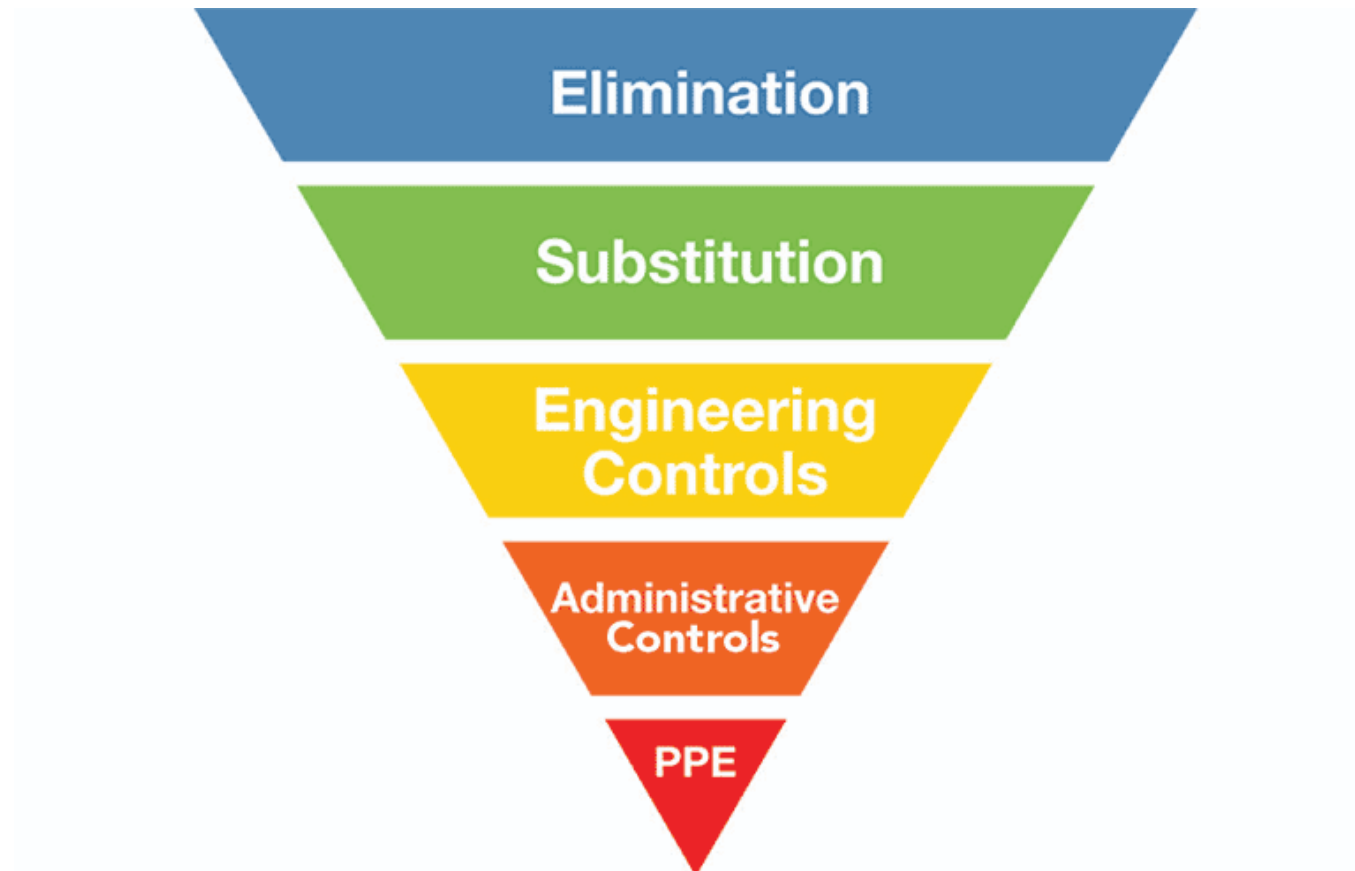
A smart integrated suite of digital solutions: Building blocks of a resilient safety management system



Live Demo



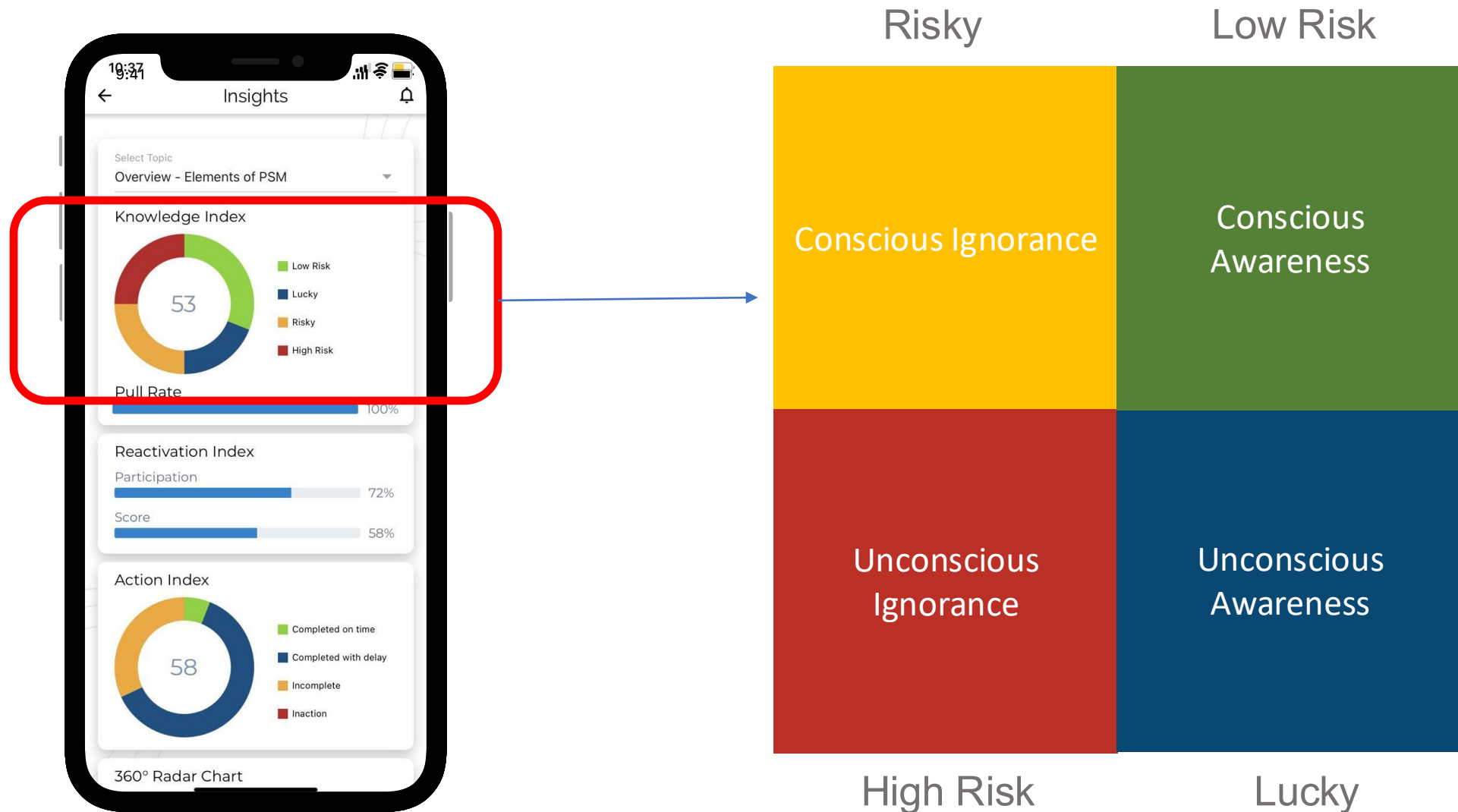
Flip Side: Deployment of digital technologies with a focus on controls alone may inadvertently introduce new risks.



Dependence on Digital & AI could result in a decrease of “Risk Competence” of people performing work.



We need to measure and quantify “Risk Competence” of **people** performing critical work to ensure the **last line of defence** is not broken.



Live Demo



When fully deployed an **integrated, risk-based** approach, with a focus on **Controls** breaks down silos and leads to a **resilient and safe** operating system

1

Safety is determined by the presence of controls.

2

A rigorous and dynamic risk assessment by a competent team to identify the controls is an essential starting point

3

An integrated approach to deploy digital technologies of today allow for the identification and deployment of the controls, and their effectiveness through measurement and monitoring

JC Sekar

Co-founder & CEO

AcuiZen Technologies Singapore Pte. Ltd.



jc@acuizen.com



+65 9125 4695



www.acuizen.com



LinkedIn