

The Resilience Shift: a safer and better world

Authors: [Nancy Kete](#)¹, [Juliet Mian](#)², [Xavier Aldea Borrue](#)², [Will Goode](#)², [Jo da Silva](#)²

¹ Kete Consulting ² Arup
info@resilienceshift.org

What is the Resilience Shift?

The Resilience Shift is a global initiative to catalyse resilience within and between critical infrastructure.

The Resilience Shift wants to re-orient professional practice from a focus on infrastructure as an asset, to a focus on infrastructure as part of a system that provides services under both ordinary and extraordinary circumstances.

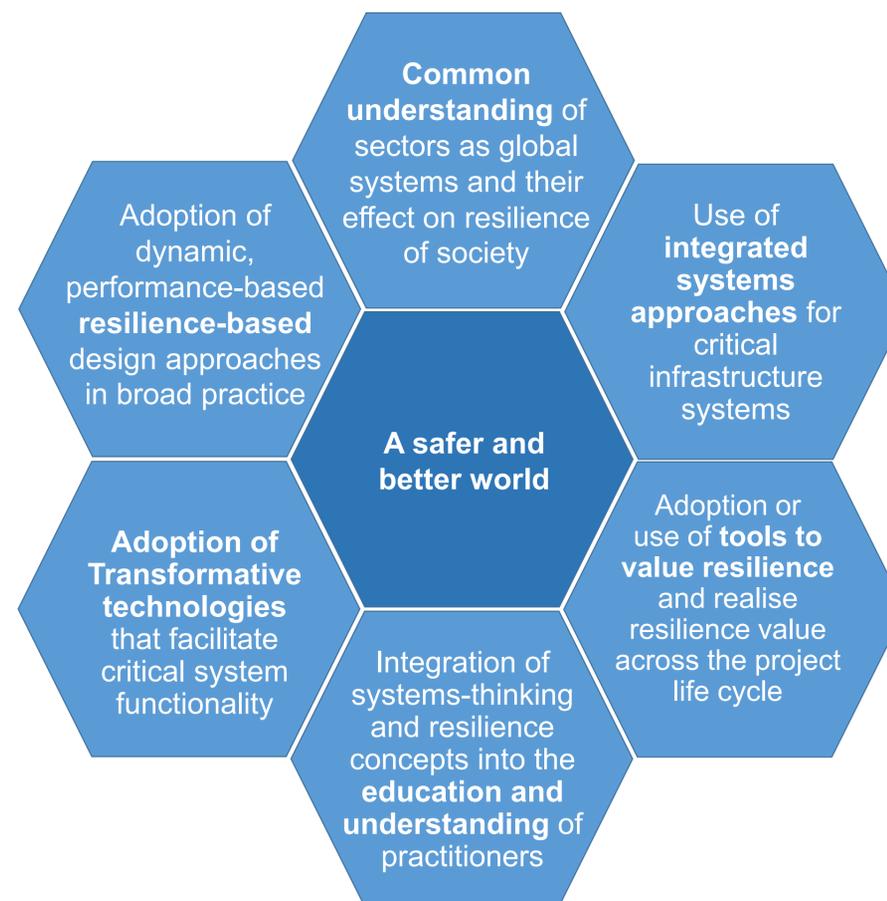
Our aspiration is that engineered structures and infrastructure will be not only safer (do not fail) but also better:

Professionals will make decisions all along the value chain/project life cycle that account for how critical infrastructure contributes to the resilience of the larger social-technical-ecological system.

Engineered structures and infrastructure will be planned, designed, delivered and operated to serve the communities (provide, protect, and/or connect), under ordinary and extraordinary circumstances.

Expected Outcomes

Through our work we will see evidence of:



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Workstreams

Our projects are designed to contribute towards our intended outcomes, and currently fall into three work streams:

1 - Making resilience tangible, practical and relevant

Equipping experts and decision makers with the **tools, approaches, technology, and educational** practices needed to put resilience into practice.

This requires clarity on the **key concepts** that matter to professionals, be they designers, engineers, asset owners, investors or regulators.

2 - Incentivising resilience

What does a client ask for, and what can their supply chain do? It depends strongly on **incentives** emerging from **standards** setting bodies, public **policy** including **regulation, insurance** and **finance** industries, and **public** views.

This area focuses on answering the questions: What is resilience worth? To whom? And, how do we know?

3- Applying resilience practice within and between critical infrastructure sectors

Applying **resilience in practice in different sectors** with **sector leaders**, in order to test ideas about design and engineering ideas to protect, provide and connect, rather than building and operating a specific asset.

This area explores the impact of considering sector infrastructure as part of a larger **system** and to explore how **dependencies** with other assets and sectors affect resilience. We have selected the water sector for the first theory-to-practice partnership