

The Resilience Shift: catalysing resilience within and between critical infrastructure

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What is the Resilience Shift?

The Resilience Shift is a global initiative to catalyse resilience within and between critical infrastructure. Lloyd's Register Foundation's (LRF) have selected Dr Nancy Kete as the Executive Director, and appointed Arup as the host institution for this initiative.

The Resilience Shift is a global initiative 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.

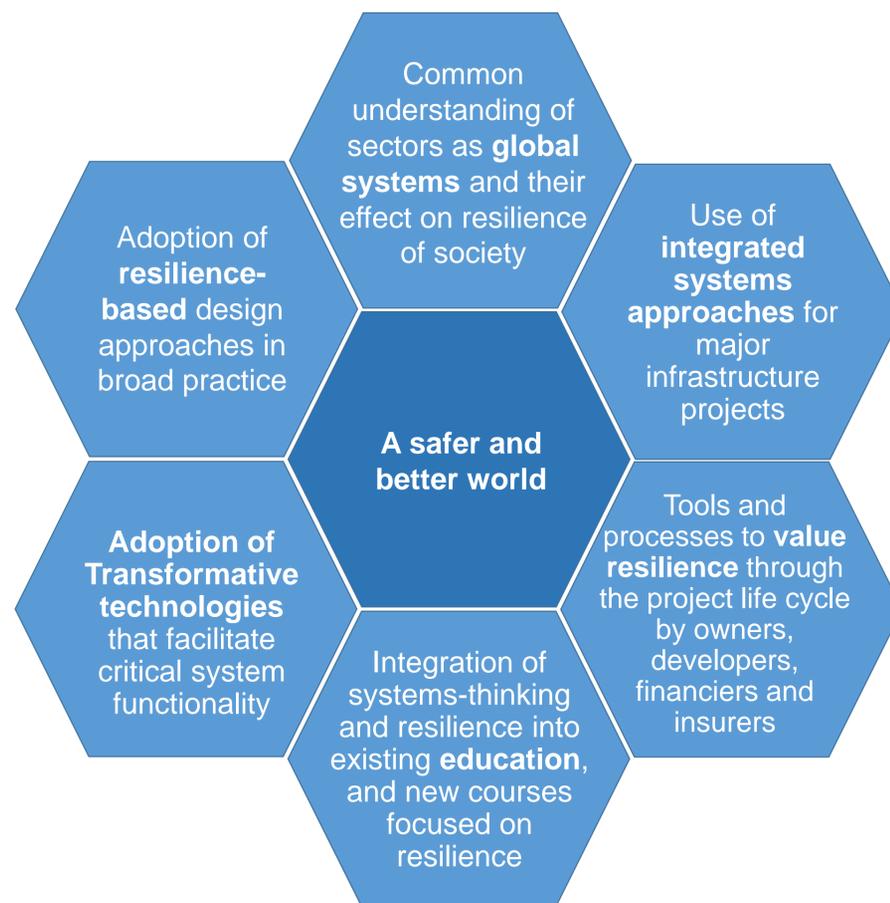
Our aspiration is that engineered structures will be not only safer but also better:

<p>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.</p>	<p>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.</p>
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The Resilience Shift is a Lloyd's Register Foundation initiative delivered by Arup

Expected Outcomes

Through our work we will see evidence of:



resilienceshift.org

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- ✓ **Download our research reports**

Activities

Our activities are designed to contribute towards our intended outcomes, and fall into the following three work streams:

1 - Ways to make 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