

# New film series - Resilience Engineered - tells the world how to be resilient to uncertainty

*Leading thinkers take part in this series of three short films that explain what resilience is, why it matters and what we need to do differently*

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EINPresswire.com/ -- Leading thinkers including Professor Lord Martin Rees, John Kay, and Dame Judith Hackitt, take part in this series of three short films that explain what resilience is, and why it matters.



Resilience Engineered series title graphic

Developed by The [Resilience Shift](#) in collaboration with the University of Cambridge and SWR Media, the film series, [Resilience Engineered](#) includes key interviews and insights from

“

Resilience is the insurance policy for our world – our future is uncertain. We must adapt to a new way of thinking so that resilience becomes part of everything we do. ”

*Dr Kristen MacAskill,  
Cambridge University  
Engineering Department*

roundtable discussions with leaders from across the world of engineering and climate action, as well as thought leaders and those at the sharp end of building resilience into infrastructure and the built environment, including city leaders from Christchurch, Edmonton, and Durban.

Resilience Engineered tackles the most pressing challenges associated with 21st Century infrastructure development, with the concept of resilience as the underlying theme. The three episodes focus on topics including managing uncertainty, perceptions of risk, investing in resilience and learning from disaster recovery experiences.

Professor Lord Martin Rees, Centre for Existential Risk, said, ““Because things are changing more rapidly than in the past in a number of ways, we can't be confident that any decision we make will, in retrospect, seem a wise one. On the other hand, we may fail to prepare for a newly emergent threat that wasn't on our risk register at the time. So we've got to accept that planning more than a few decades ahead is much more uncertain than it would have been, say, in

medieval times where things change very slowly.”

The series aims to reach a wide community of stakeholders across infrastructure sectors to create a stronger, connected professional community for making resilient infrastructure a priority. It will provide infrastructure professionals and decision makers in policy, funding and engineering, along with city and business leaders, with a new resource to better comprehend and engage with resilience thinking.

Dame Judith Hackett, Chair Independent Review Building Regulations and Fire Safety UK, said, “We cannot know what the future is going to throw at us but, what I think is really important, is that we do not allow ourselves to get into a position where we don't think about it at all. What we have to do is build resilience into the system and it needs to be resilience for the unknown.”

About the episodes:

Episode 1: Preparing for an uncertain future – provides viewers with a basis for engaging with uncertainty and complexity as meaningful concepts and how this can shape our thinking

about the world around us, especially when considering the capability for infrastructure to serve both current needs and those of our future selves (and future generations).

Episode 2: Global issues, local action – explores the opportunities, risks and limiting factors that cities face when making decisions about how to address threats, and the influence of these on decisions around policies and investment, the type of regulation needed, and the setting of international targets and nation state policies.

Episode 3: Don't wait for a disaster to realise your role to play – explores how disaster recovery



Resilience Engineered episode 1 title graphic



Dr Kristen MacAskill, The Resilience Shift, Department of Engineering, University of Cambridge,

provides a “window of opportunity” and what this means for leaders as they tackle the challenge of becoming better prepared for managing major shocks and stresses, whatever and whenever they occur. It provides viewers with insight into the significant leadership, stakeholder coordination and funding that are needed to build resilience.

Dr Kristen MacAskill leads the questioning throughout the three episodes. As Lecturer in Engineering, Environment and Sustainable Development, Cambridge University Engineering Department, and Fellow, St Edmund's College, she wants to get the message across that, “Resilience is the insurance policy for our world – our future is uncertain and traditional risk modelling used by the engineering community and others are no longer able to take into account all the varying factors and unexpected likelihoods that face us.” “We must adapt to a new way of thinking so that resilience becomes part of everything we do”, she adds.

For more information and to watch the trailers, see <https://www.resilienceshift.org/resilience-engineered/> or email [info@resilienceshift.org](mailto:info@resilienceshift.org)

To host a screening in your organisation or for your members, please contact [info@resilienceshift.org](mailto:info@resilienceshift.org) and you can arrange for screening copies and supporting materials, plus there is a [Trello Board](https://trello.com/b/K6UWPAJ6/resilience-engineered-screening-hosts-toolkit) with more materials at <https://trello.com/b/K6UWPAJ6/resilience-engineered-screening-hosts-toolkit>

This series was funded by The Resilience Shift and developed in collaboration with a team from the Department of Engineering, University of Cambridge. Released: 2021

## Notes for Editors

### Defining resilience:

Resilience is the ability to withstand, adapt to changing conditions, and recover positively from shocks and stresses. This applies to physical infrastructure assets, and to the wider system that these assets are part of including the natural environment, the organisations that own and operate these systems, and the humans who make decisions across the value chains for these systems

### About the partners

The Resilience Shift exists to inspire and empower a global community to make the world safer through resilient infrastructure. More people than ever depend on the critical infrastructure systems that provide essential energy, water, transport and communications services, and underpin food, healthcare and education. When this infrastructure fails the consequences can be catastrophic. Supported by Lloyd's Register Foundation and Arup, the Resilience Shift provides knowledge and tools for those responsible for planning, financing, designing, delivering, operating and maintaining critical infrastructure systems. Our aim is to ensure infrastructure systems are able to withstand, adapt to, and recover quickly from anticipated or unexpected

Helen Clvil  
The Resilience Shift  
+447711734456 ext.

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