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Infrastructure UK

# The infrastructure challenge – delivering in the built environment

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## Current model of delivery

“Pothole road is relaid then dug up again a week later”

Uley road dug up 12 days after resurfacing

Notorious Preston junction to be dug up again

“Dismay as roads are dug up again”

Anger as newly repaired roads in Rushden are dug up again

Oh look, the road's been dug up again!

“Resurfaced road dug up while the tarmac was still warm”

“Only 30% of all the work that we see on the streets is part of a longer term programme.”

Anger as repaired road dug up again

East Road to be dug up - all over again



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## Some of the prizes

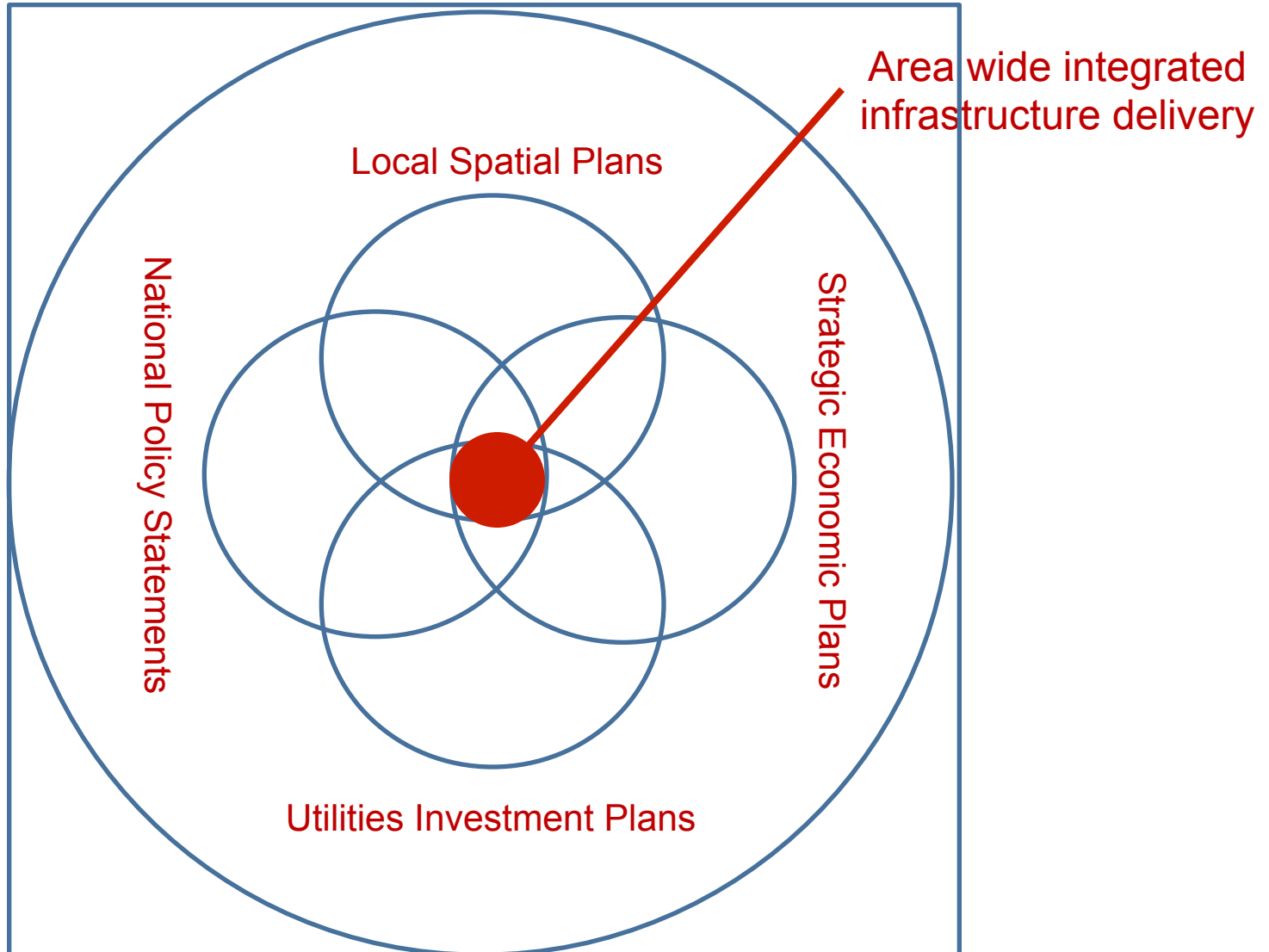


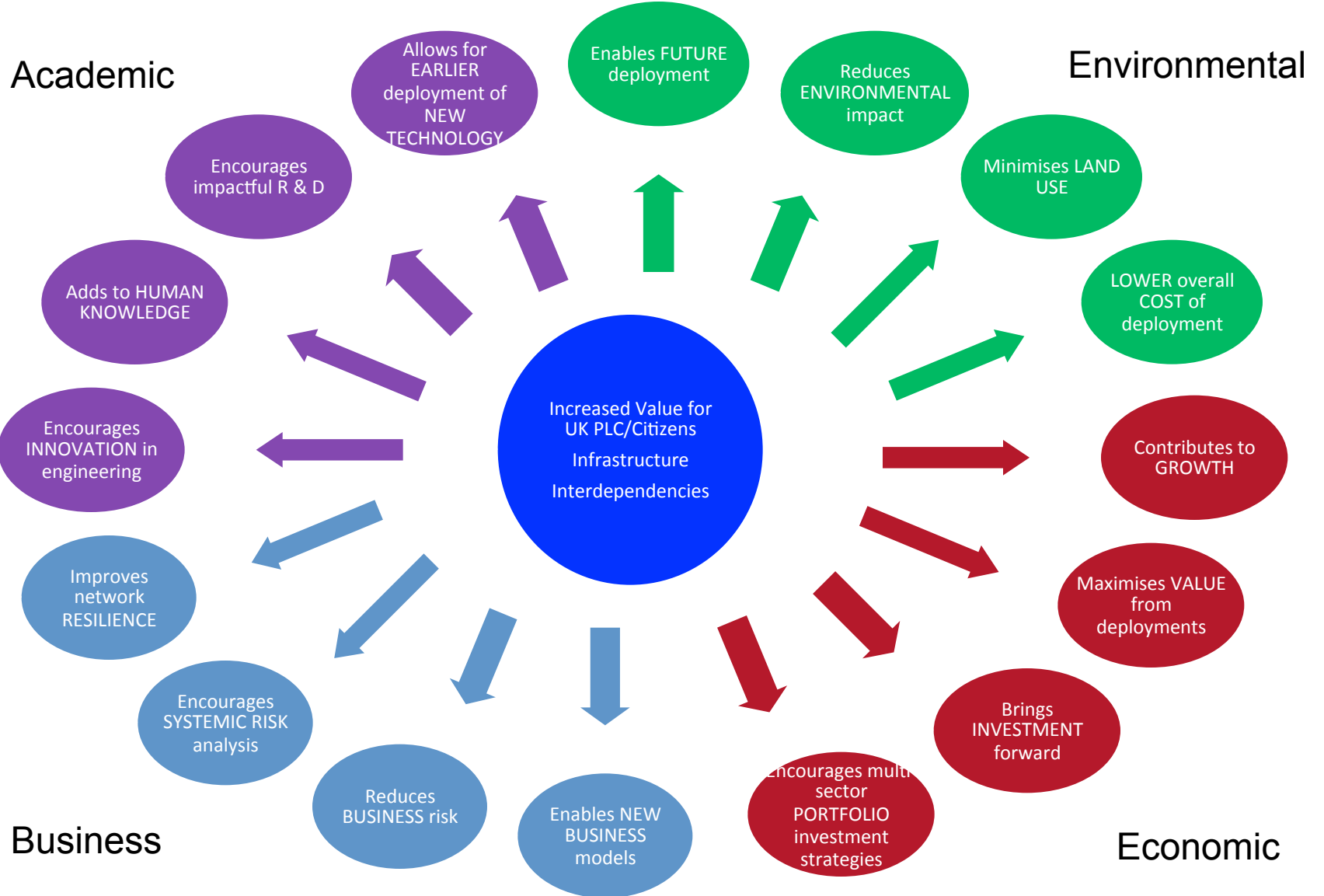
300,000,000





## A possible future?



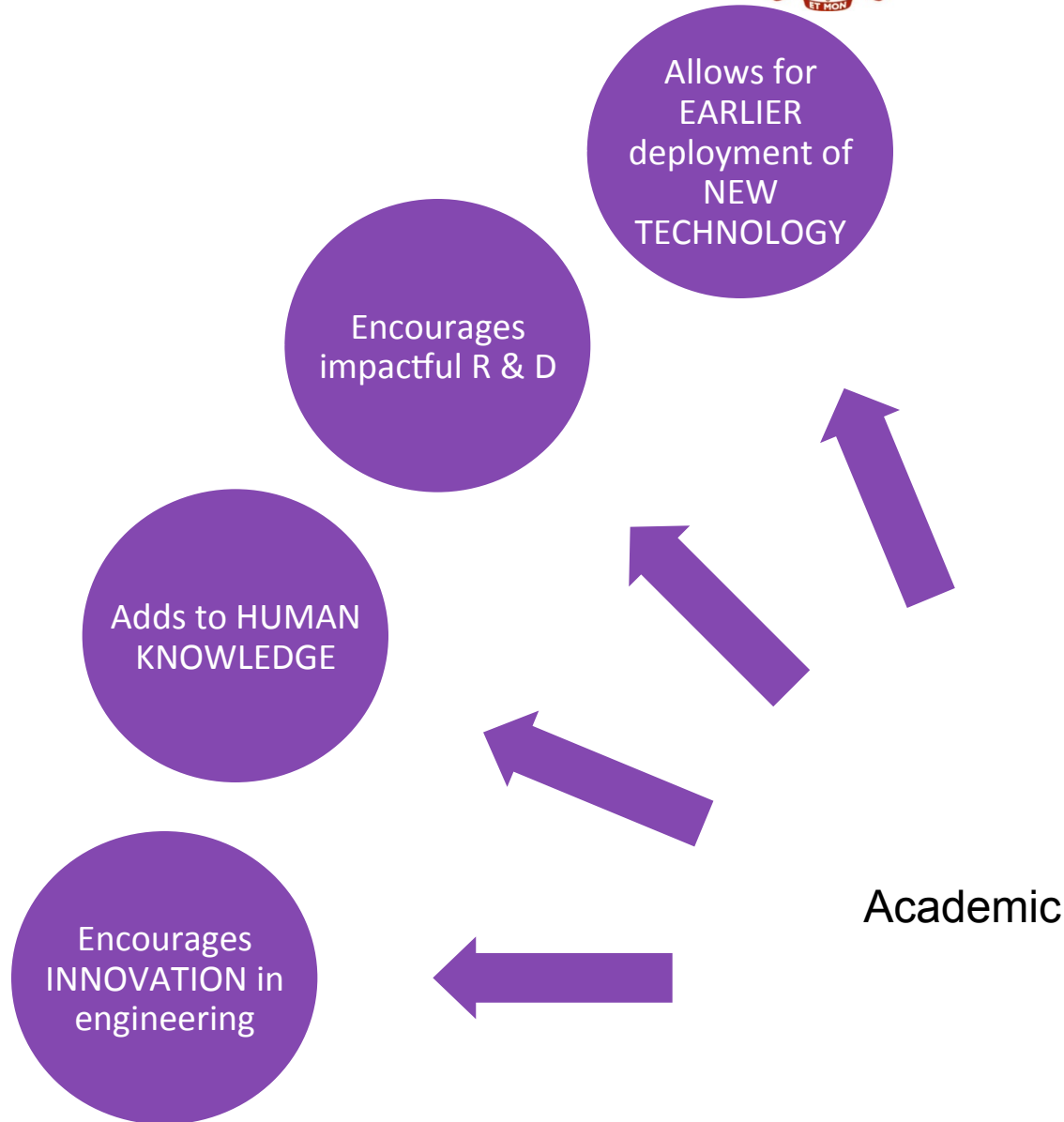


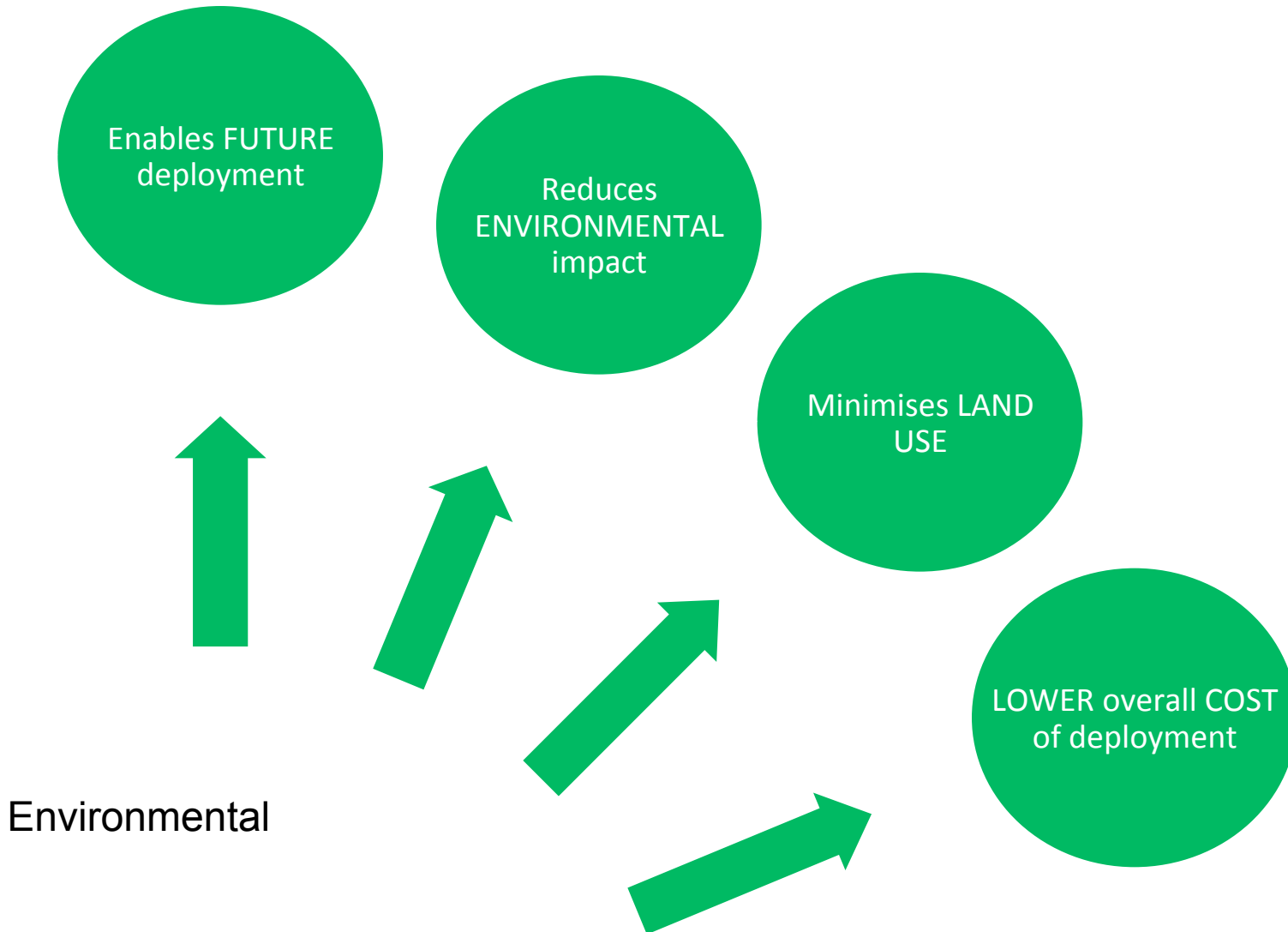


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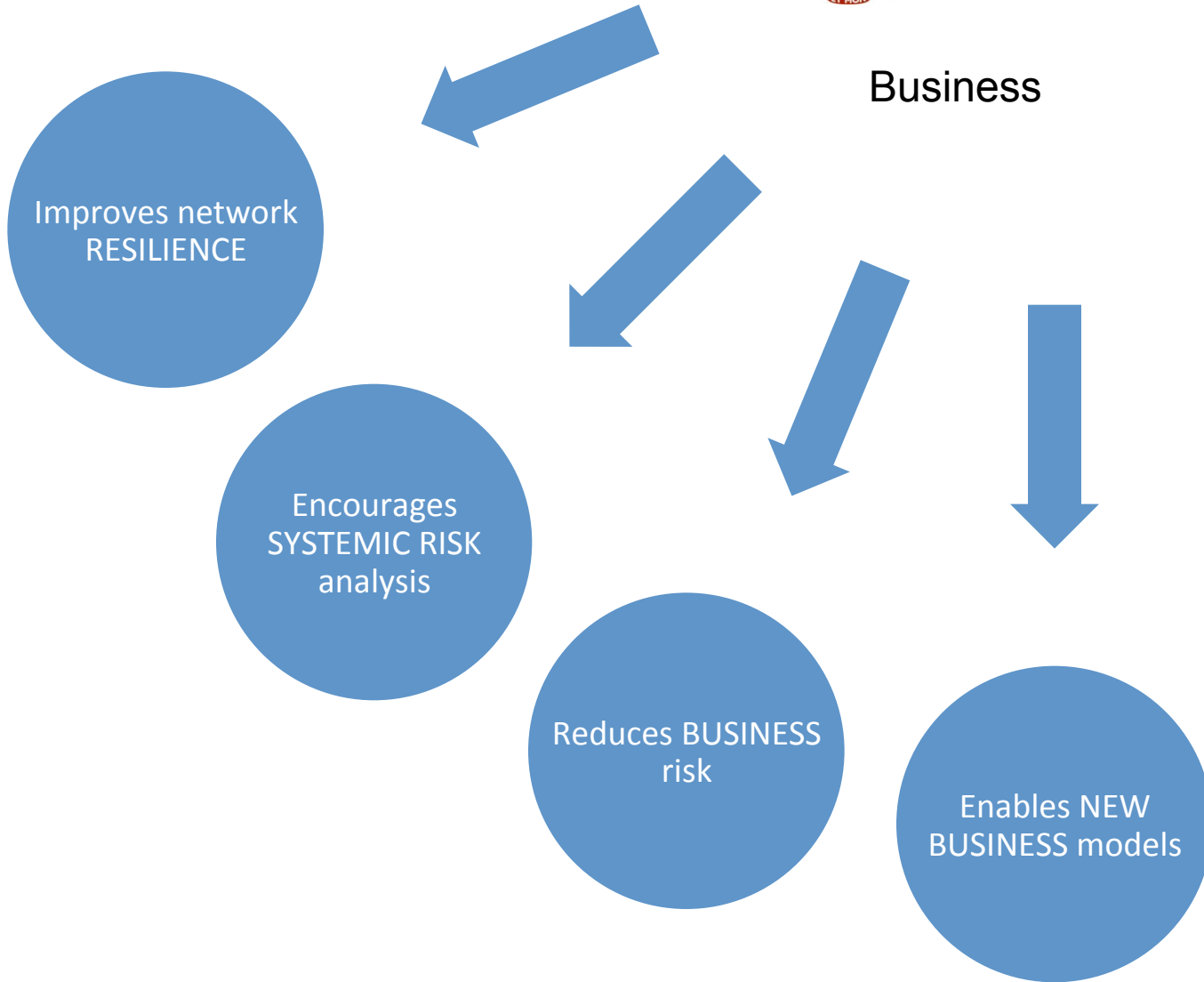


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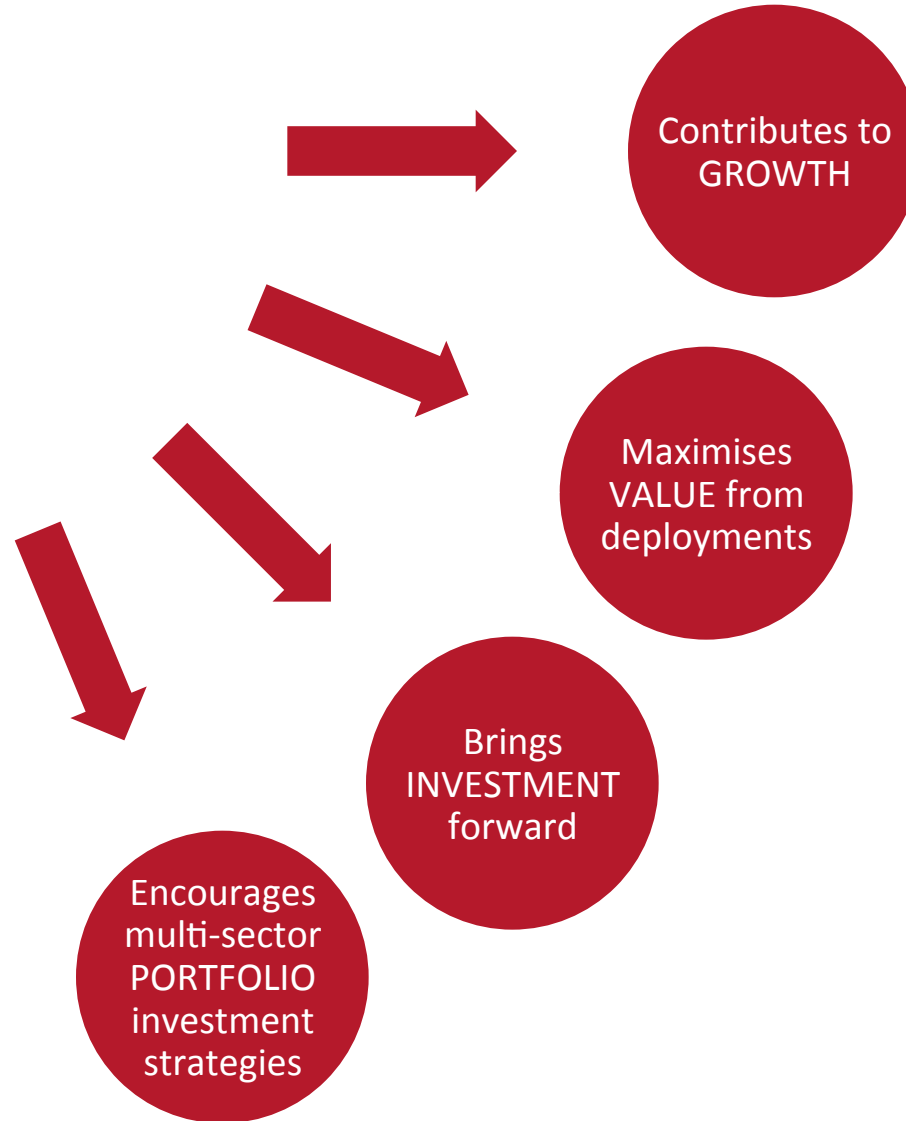


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Economic





## **Infrastructure: a network of networks**

Current work on Infrastructure Interdependencies in HMT

1. Developing an *Interdependencies Planning and Management Framework*
2. Testing possibilities on real infrastructure projects – HS2 Phase 2
3. Sharing potential wins with project teams
4. Tackling barriers to implantation - working with Regulators on improving environment for shared assets and services.
5. The economics of Resilience and Passive provisioning.



## Joined-up Infrastructure: Challenges

1. Creating the environment where serving unconstrained demand is no longer the best business model
2. Understanding how to profit from the provision of a utility rather than the provision of a good. (*Applies to how we think about large transport infrastructure projects as well as providing services to household customers*)
3. Navigating an economic regulatory environment that is siloed into sectors and currently has no need to regulate for companies operating in an integrated manner across many sectors
4. Bringing together disparate investment timetables into single, multi-sector programmes



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# **Harnessing the Opportunities from the Interdependencies of Infrastructure**

Questions