



Australian Government
Department of Defence
Capability Acquisition and
Sustainment Group

The Strategic Enterprise Approach to Combat Systems Development

“What You Measure Matters”

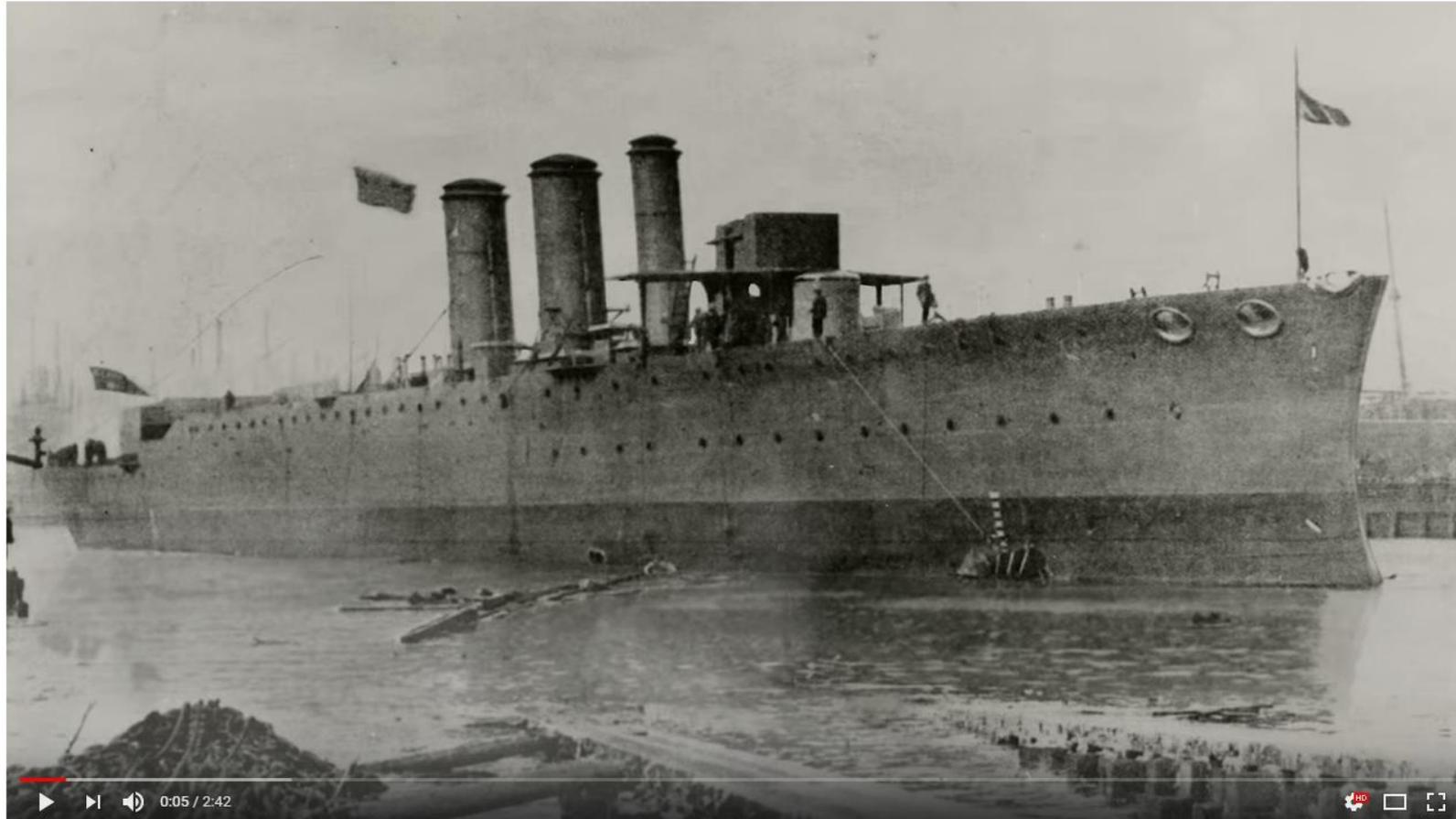
CAPT James Nash (RAN)
Tuesday 14 August 2018



A Journey to Launch

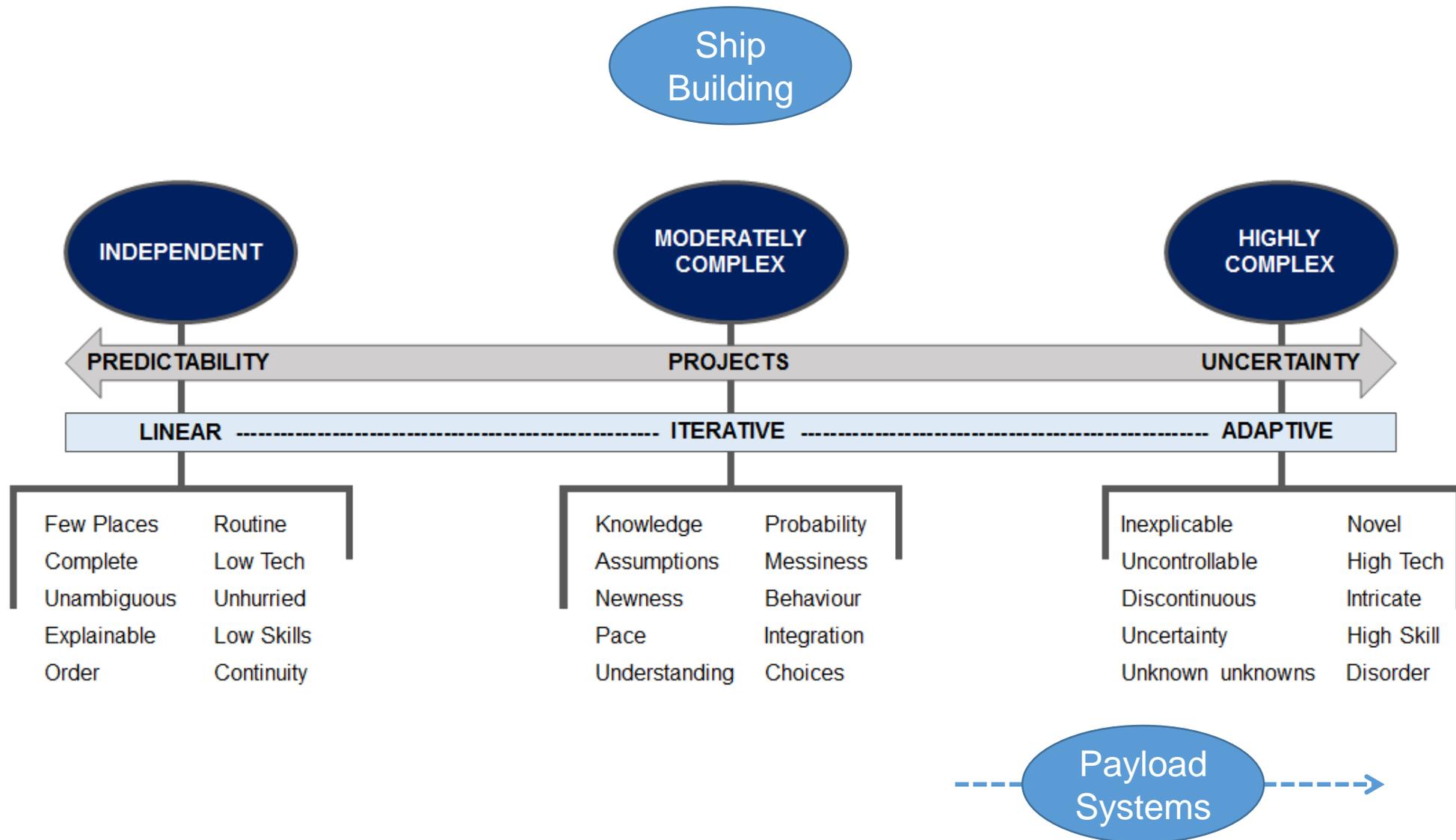
YouTube^{AU}

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Future Air Warfare Destroyer Sydney's Journey to Launch:
<https://www.youtube.com/watch?v=4RzUvMsC0VA>

Setting the Scene



“A new approach to Naval Combat Systems”

We have resolved to take an enterprise approach to combat management systems for Australia's Navy....

Taking an enterprise approach to future naval combat systems is a demonstration of our commitment to a vibrant and innovative Australian defence industry for the long term.

...we will be providing the absolute best capability to our Navy.

Prime Minister, Address at the 2017 Pacific International Maritime Exposition

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**Federated to Consolidated
Continuous effort that delivers into Shipbuilding
Program**

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**Defence Industry
National Benefit
Continuous effort to support Australian Industry**

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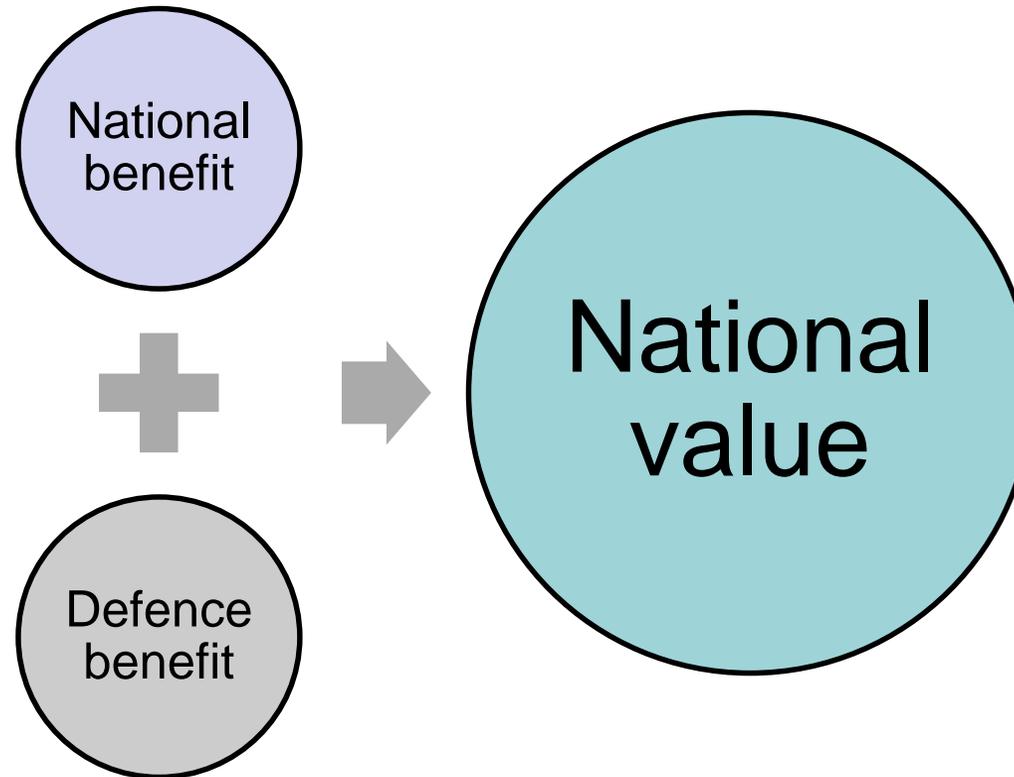
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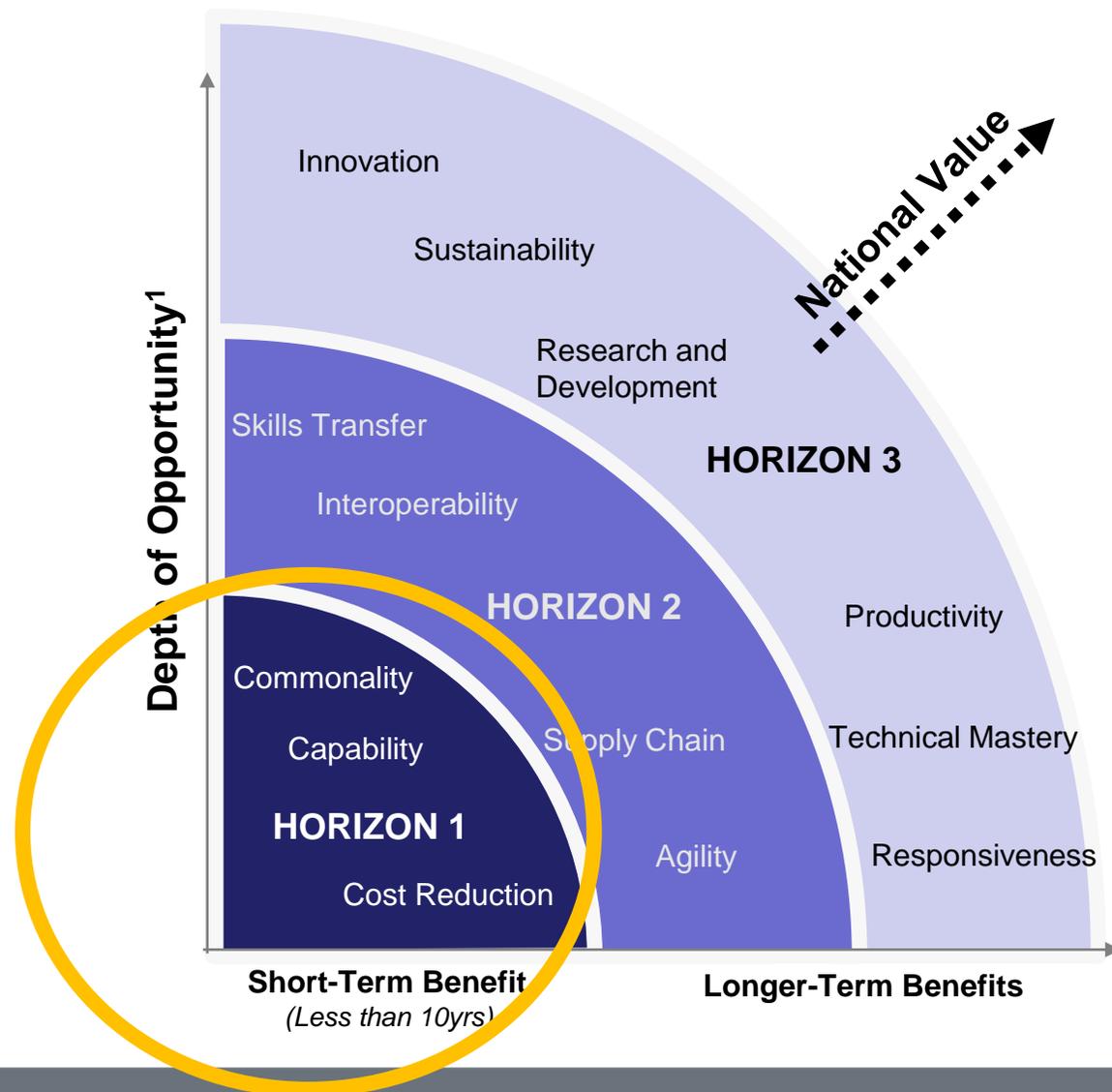
**Navy Capability
Military Benefit
Continuous effort to keep that Capability relevant**

A longer-term vision: *Measuring what matters*



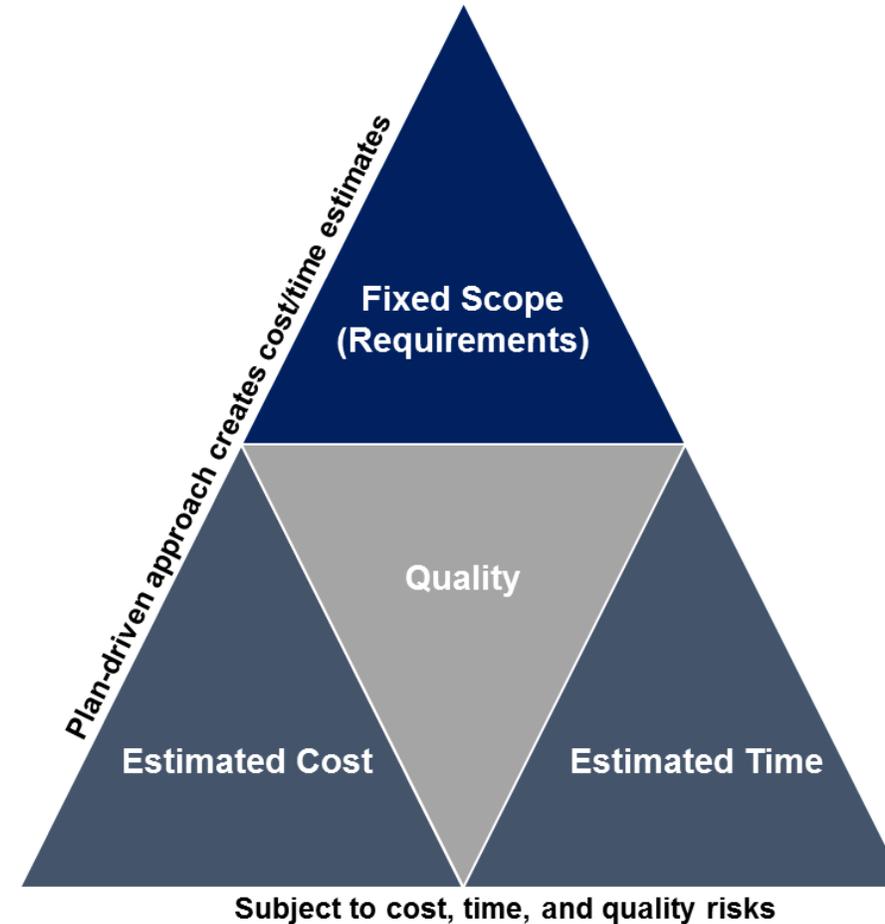
Need to measure both National benefit and Defence benefit

Maximum benefit: what we need to measure



The 'project' approach

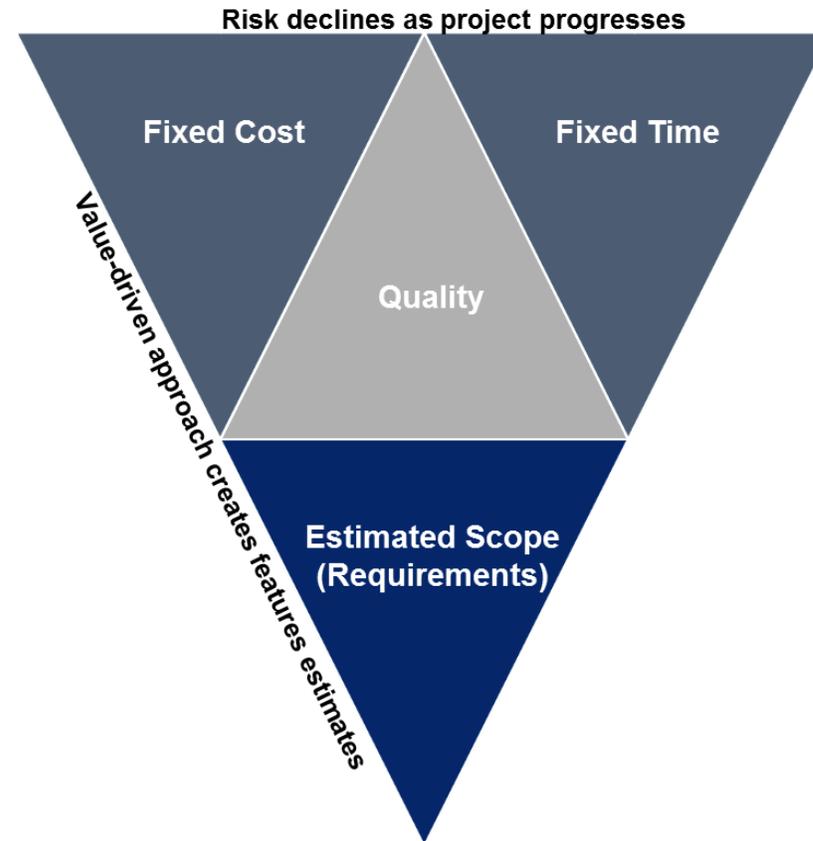
- Clearly-defined outcomes
- Project-based funding
- System engineering
 - Waterfall approach
 - Off the shelf



Seek to deliver to scope, rather than to budget

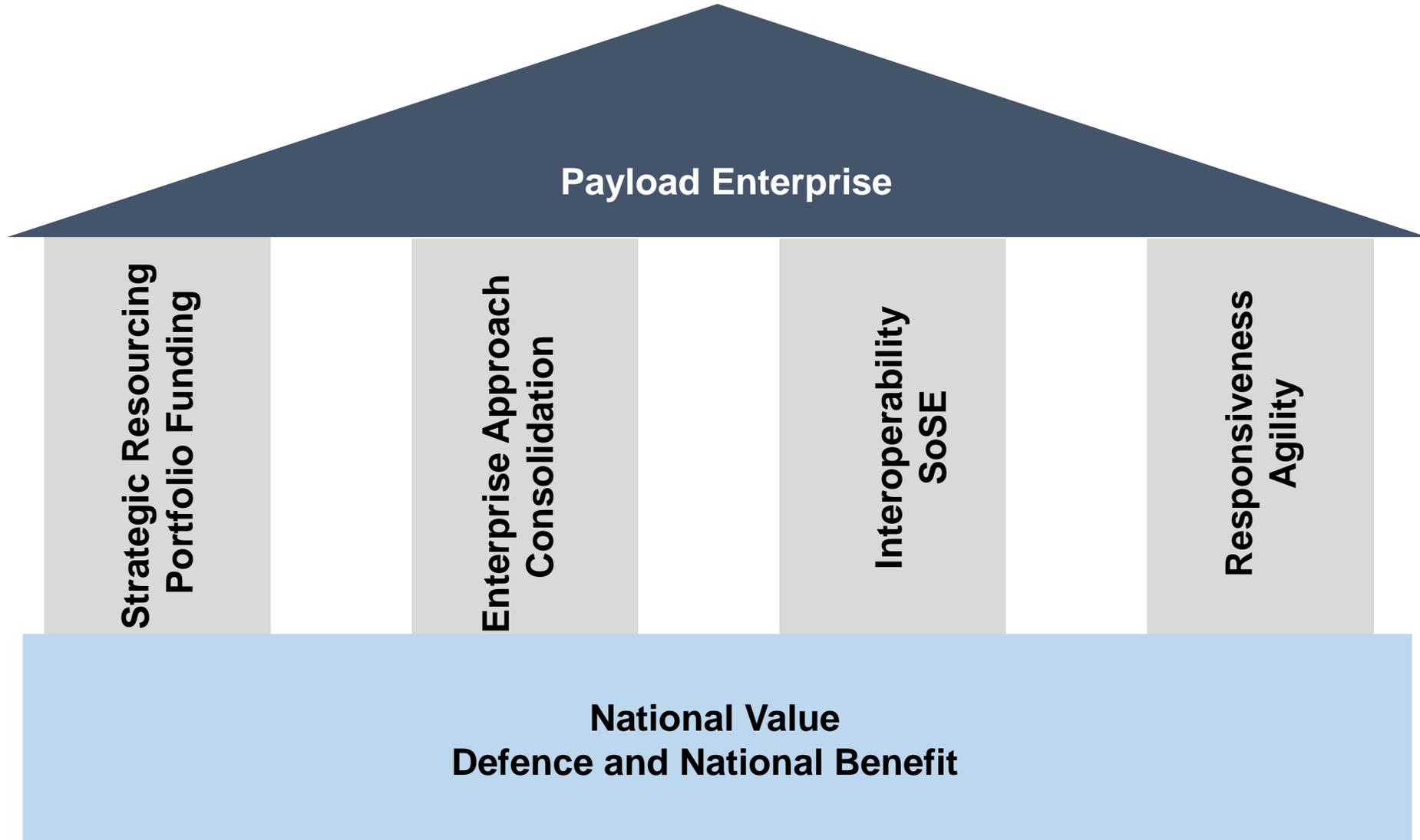
The 'enterprise' approach

- Strategic outcomes required
- Outcomes defined by cost and time
- Portfolio-based funding
- System of Systems Engineering
 - Agile Approach
 - Product Lines Engineering
- Measure both:
 - Defence benefit
 - National benefit



Seek to deliver according to strategic aims and strategic resourcing
Maximising National benefit

Guiding principles



UNCLASSIFIED

This is only the beginning



UNCLASSIFIED