

True Planning at Rolls-Royce Nuclear

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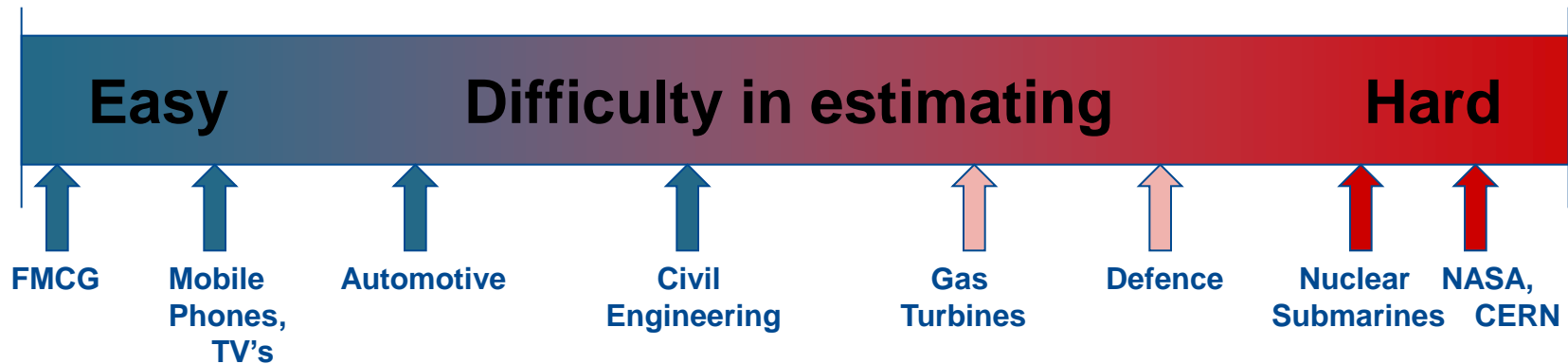


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Range of approaches to estimating

Rapid Cycle
High Volume
Repeated standardised process
Plentiful data

Unique One-Off Projects
Low Volume / prototypical
Different every time
Scarce data



One size does not fit all:

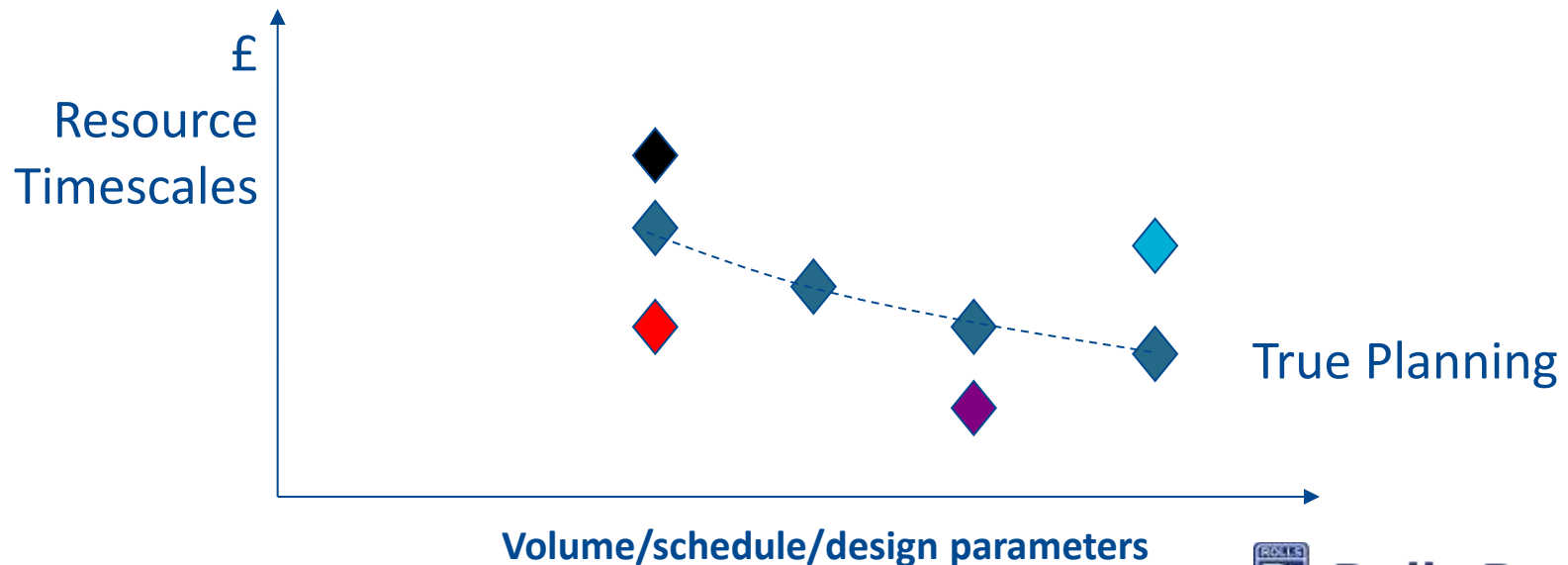
- data available for estimating?
- repeatability of processes?
- time since last experience?
- availability of data for analogous projects?
- uniqueness of new projects?



Use of True Planning

Rolls-Royce Nuclear have used True Planning since 2009 for:

- Estimating costs of new hardware
- Should costing costs for existing hardware
- Challenging estimates derived from other sources
- Exploring uncertainties and sensitivities to volume/schedule/design parameters



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Benefits

- Independent source of should cost estimates
- A second opinion
- A first opinion in the absence of other data
- Prompting dialogue about the estimate...



Estimate
Incomplete



Estimate
Includes
out of scope
activity



A complete estimate
including uncertainty,
assumptions and
exclusions

Assumes jigs
provided GFE

± £ uncertainty

Excludes
follow-on
contract



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Pros and Cons

Pros:

Excellent tool that works reliably and produces consistently high quality results

Excellent service and support

We only use the hardware module at present, but growing business interest in the Software and Information Systems modules

Annual upgrades with continuous improvement and innovation.

Cons:

Can't open more than one model at a time

Limited facility to compare iterations/versions in the tool

Caution:

Need to calibrate against known costs for your organisation, especially if your specific industry/product is not strongly represented in the True Planning library.



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