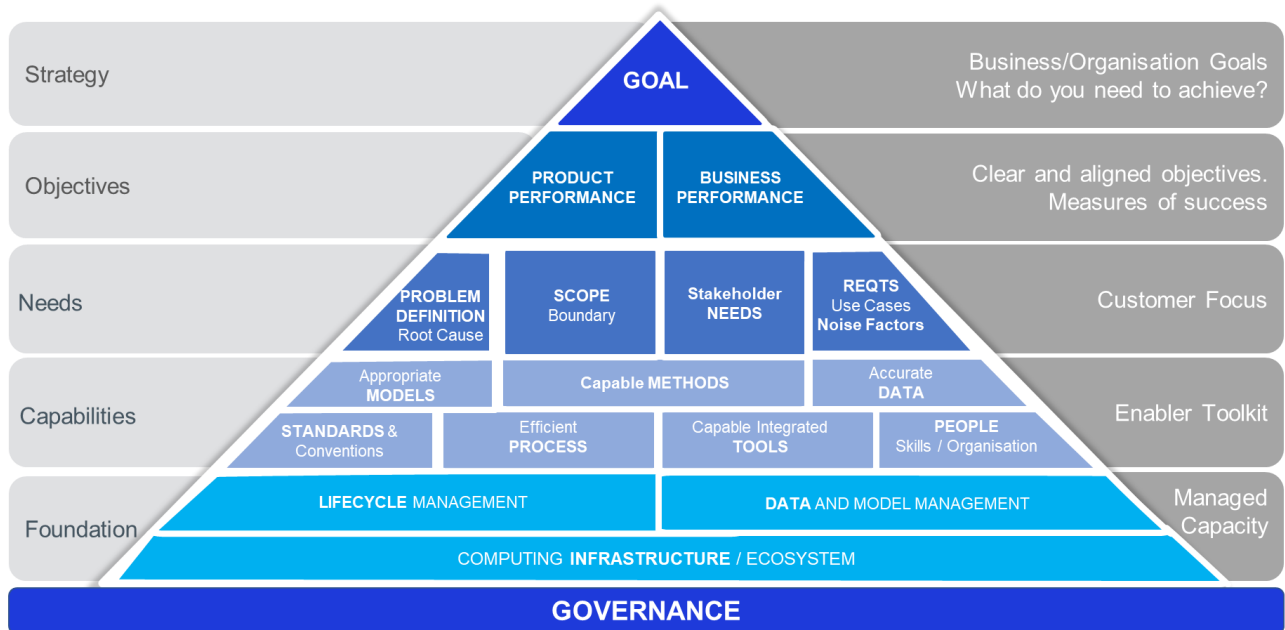


PHRONESIM

**ENGINEERING SIMULATION
STRATEGY SOLUTIONS**

STRATEGY DEVELOPMENT



The Strategy Framework contains all the elements essential to achieving an effective and efficient Simulation and Modelling capability. Each element will be addressed.



PHRONESIM follow a logical process, starting by understanding your goals and needs, to help build a comprehensive strategy tailored to your requirements and to achieve your specific objectives.

GOALS

The start point for building the Strategy is to understand your goals whether, product focussed, business focussed, or both.

Improve my Product

- Concept
- Performance
- Capability
- Technology
- Functionality
- Versatility
- Cost
- Quality

Improve my Business

- Speed to Market
- Efficiency
- Reduce Cost
 - Development
 - Operating
- Skills and Knowledge
- Flexibility / Responsiveness
- Maximise Value

Maturity		Element							
		Strategy	Process	Methods	Tools	Models	Data	People and Organisation	Computing Infrastructure
4	Comprehensive Strategy Accurate / Robust Design Lead Evidenced / Validated Maintained / Governed				Target		Target	Target	
3	Holistic Strategy Repeatable / Verified Design Critical Implemented Measured / Managed	Target	Target	Target	Assessment	Target		Assessment	Target Assessment
2	Established Strategy Established Credibility Design Support Planned / In progress Some gaps	Assessment	Assessment	Assessment		Assessment			
1	Strategy in Development Building Credibility Research/Scoping Studies Plan in Development Significant gaps	Assessment					Assessment		
0	Just starting No strategy No evidence No Plan Uncoordinated								

MEASURING MATURITY

PHRONSIM can then conduct a Maturity Assessment to assess and quantify the current state of your capability across all the key elements.

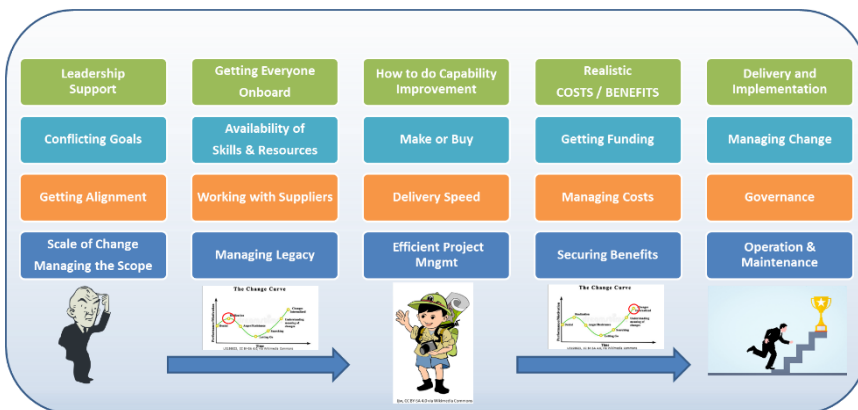
GAP CLOSING

A range of Best Practice approaches can be proposed to address the gaps depending on status and priorities

Strategy Element	Actions
Digital Engineering Strategy & Governance	<ul style="list-style-type: none"> • Agree Goals for M&S based on business needs. • Use a Framework. Measure Maturity. Develop a cross functional strategy. • Identify Improvement Actions Implement Key Performance Metrics. Implement a Governance framework.
Process	<ul style="list-style-type: none"> • Review current Simulation and Modelling processes across the whole organization. Assess alignment to PD process. • <i>Assess Efficiency?</i> Value stream analysis for key process to identify and reduce waste. Identify improvement actions. • Review <i>common and bespoke process</i>. Strategy for process management and automation*. (SPDM)
Methods	<ul style="list-style-type: none"> • Review requirements • Audit current capability. <i>Introduce confidence metrics</i> • Identify gaps, prioritize, improvement projects.
Modelling	<ul style="list-style-type: none"> • Audit Model requirements and usage. • Model Standards and Conventions • Opportunities for commonality and sharing. Model Management.
Tools	<ul style="list-style-type: none"> • Review requirements. <i>Audit landscape</i>. • Capability and efficiency metrics. • Assess tool chain connectivity status.
Organization	<ul style="list-style-type: none"> • Review M&S organization. <i>Cross functional alignment</i>. • Assess current and required skills. Qualification and experience status. Training and development needs.
Data	<ul style="list-style-type: none"> • Document data requirements per method and process. • Introduce standards for data types, formats, structure, use and management. • Consider <i>data management options</i> (SPDM)
Infrastructure and Computing	<ul style="list-style-type: none"> • Current and Future requirements. Current structure and capacity. Utilization and operating costs. • Review <i>future technology</i> options and opportunities (e.g. Cloud).

IMPLEMENTATION PRACTICALITIES

In order to implement the strategy successfully a number of practical considerations need to be addressed.



LOOK US UP AT: www.phronesim.com or CONTACT US at: info@phronesim.com