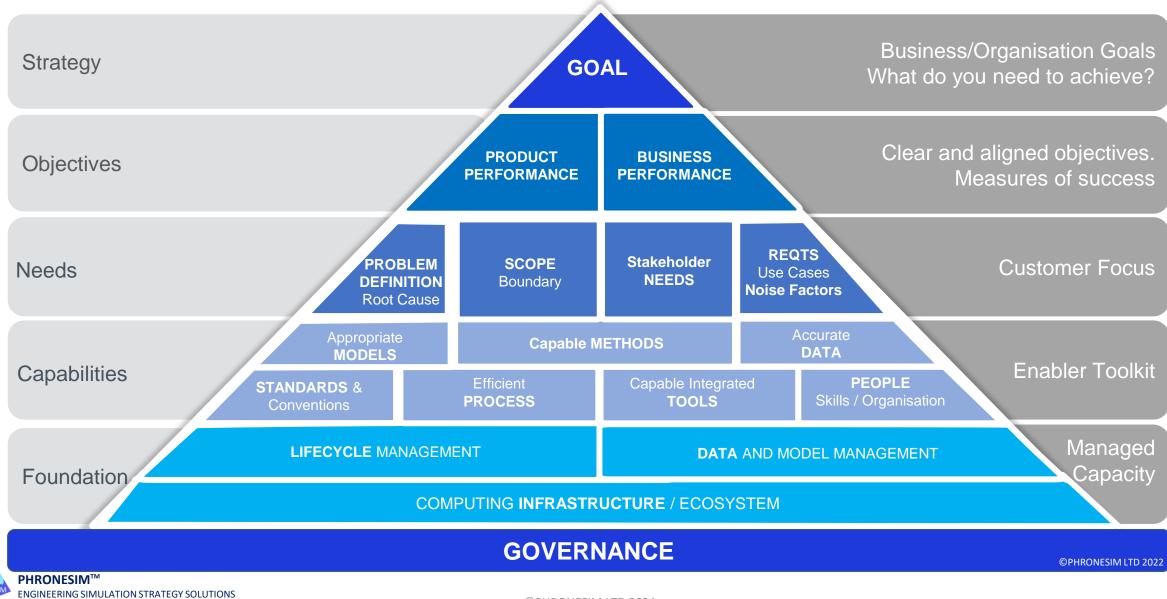
Modelling and Simulation Strategy Pyramid

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Strategy Framework – Capability Pyramid



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Use of Simulation

Business Context Stakeholder Reqts	 Integrate New Technology Develop and Verify Targets Develop Design Specifications to meet Customer Requirements Assess Alternative Designs Verification Post Verification Develop and verification Sign Off Custome Final Baseline Co Lessons learned 	Acceptance Test
System Reqts & Design	 Confirm Performance Targets Develop Engineering Solutions Develop, Integrate and Verify Software 	System Test
Sub System Design	 Integrate System Elements Assess Component & System Performance Assess Potential Failure Modes Noise Factor Analysis. Design Sensitivity 	Sub System Test
Component Design	 Develop Countermeasures Assess Derivatives and Options Test design for reqts and range of customer use case Optimise Design and Performance Manufacturability and tooling 	es Component Test