

**FIGURE 1**  
**Assessing Emerging Technology by Adoption Stages**

Adoption Stage	Emerging Technology Familiarity in the Organization	Need to Understand	Desired Outcome
General business consideration	Not used before	Possible use case and benefits, general threats with controls and ballpark costs	Potential business value  Do possible benefits outweigh costs?
Implementation of the first use case	Not used before	Options for deploying, specific threats for the use cases, specific controls needed and cost	Determining the best option for initial benefit
Implementation of further use cases	Limited use	Options for deploying, specific threats for the use case, specific controls needed and cost  Building on initial experience and considering what else is known about the technology and its use	Success for each use case
Integration with a strategy to scale	Disparate, often no cohesive view	Best option for scaling to effect strategy with threats, controls, costs and benefits	Maximize benefits and gain economies of scale

# Emerging Technologies Risk Assessment Computational Mechanics And Advanced Engineering Topics

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## **Emerging Technologies Risk Assessment Computational Mechanics And Advanced Engineering Topics:**

**Emerging Technologies** ,2000      Emerging Technologies F. L. Cho,2000      Computational Mechanics ,2002

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