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# Shell Information Technology International

Surviving insecurity

- a security architectural view

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# is a global organisation



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- global player - 275+ companies in 126+ countries
  - energy, chemicals, mining, shipping, trading and many more businesses
  - upstream and downstream activities
  - innovative engineering in difficult, remote and “interesting” locations
  - building infrastructures of all types including IT



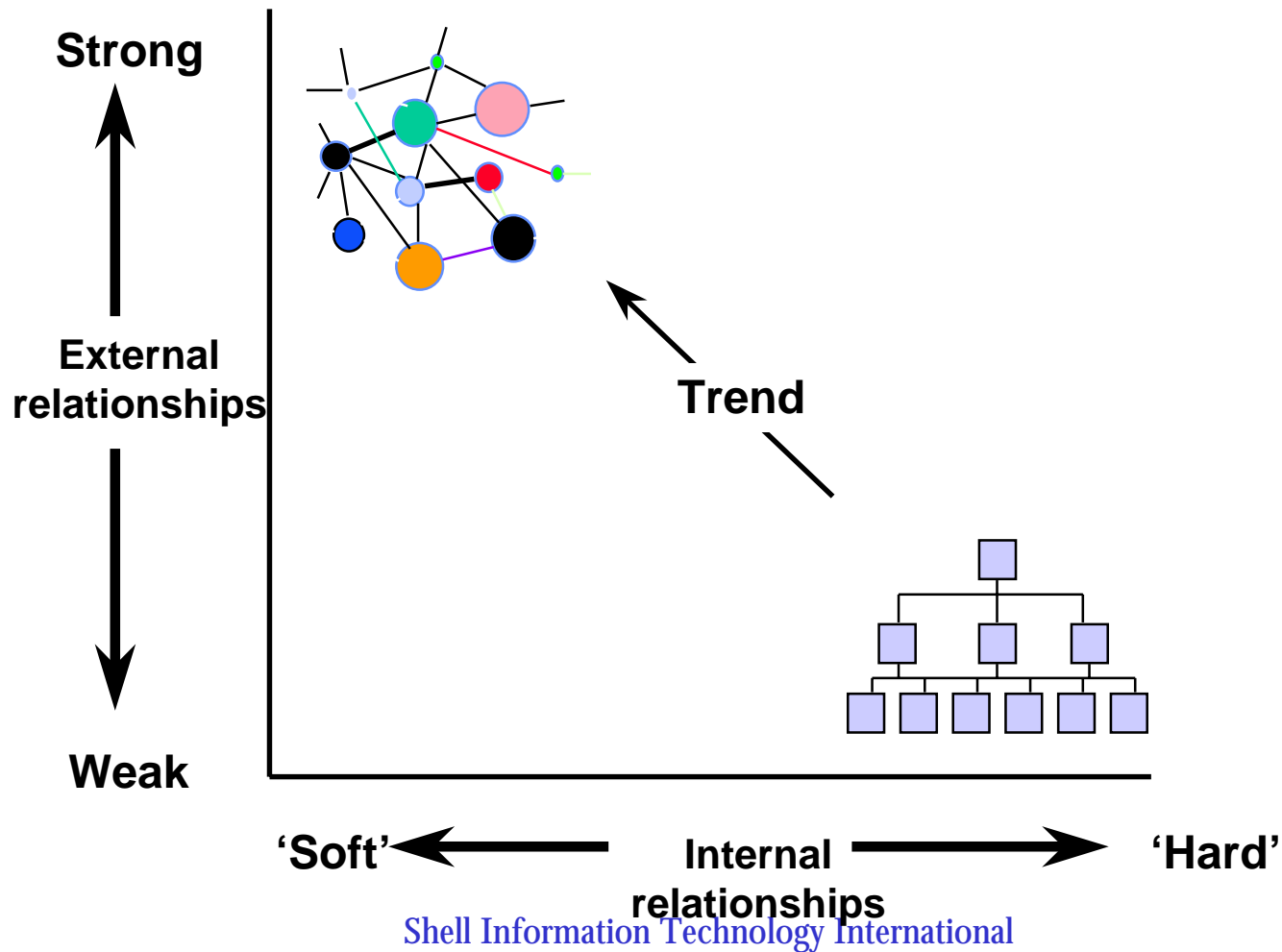
# added value



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- Knowledge
  - Resources
  - Ability to focus both



# eOrganisation

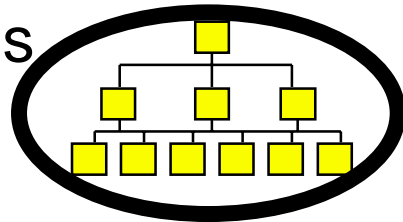




# Business Environment

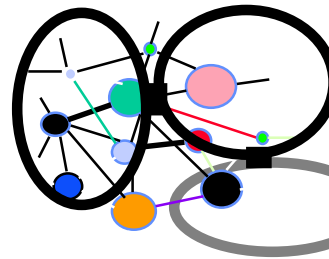
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Secure buildings



1980s  
Glass-house  
data centres

Managed networks



1990s  
Network  
firewalls

Mobile virtual network

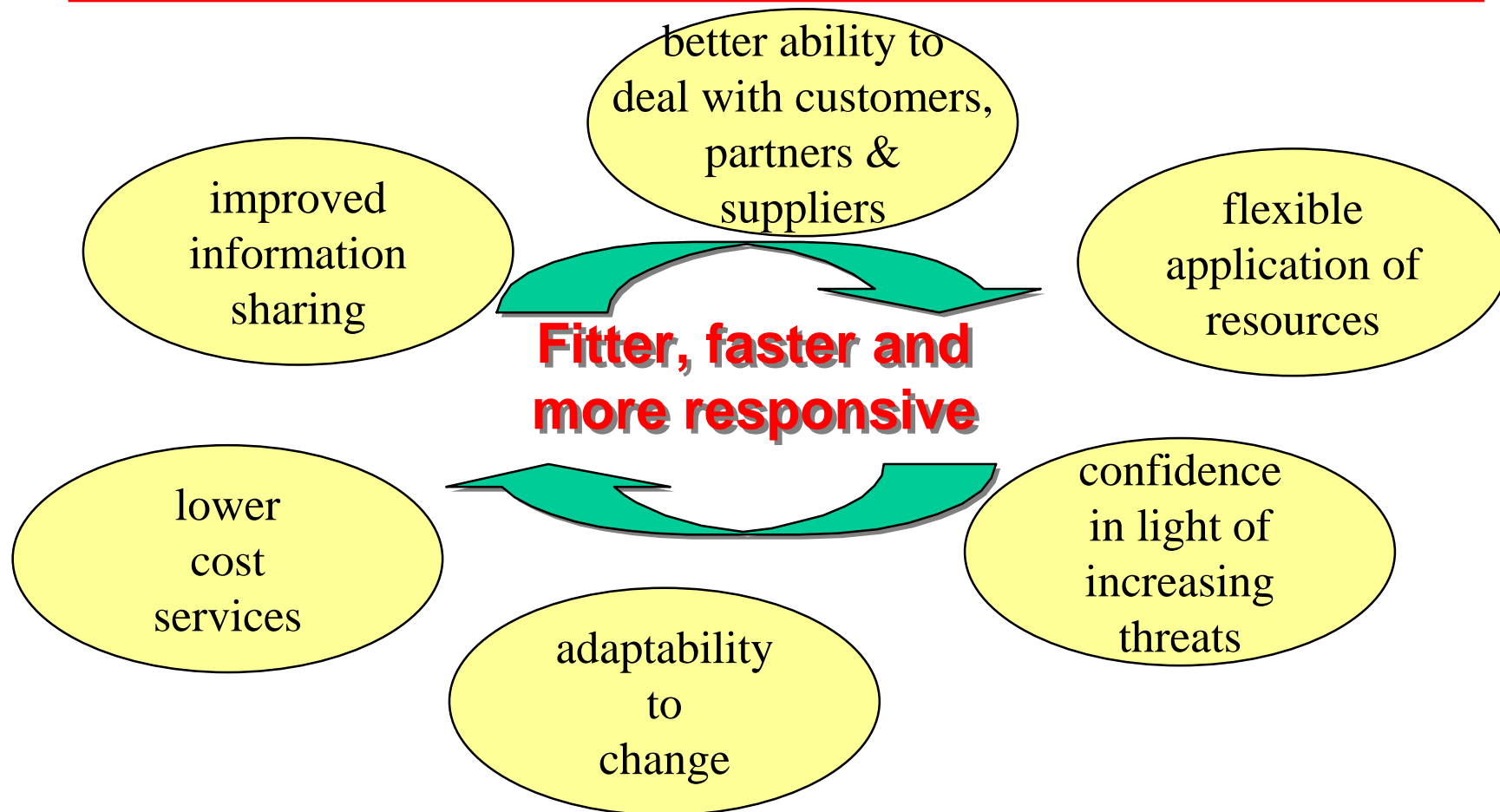


21st Century  
global businesses



# Business Objectives

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# The Information Age



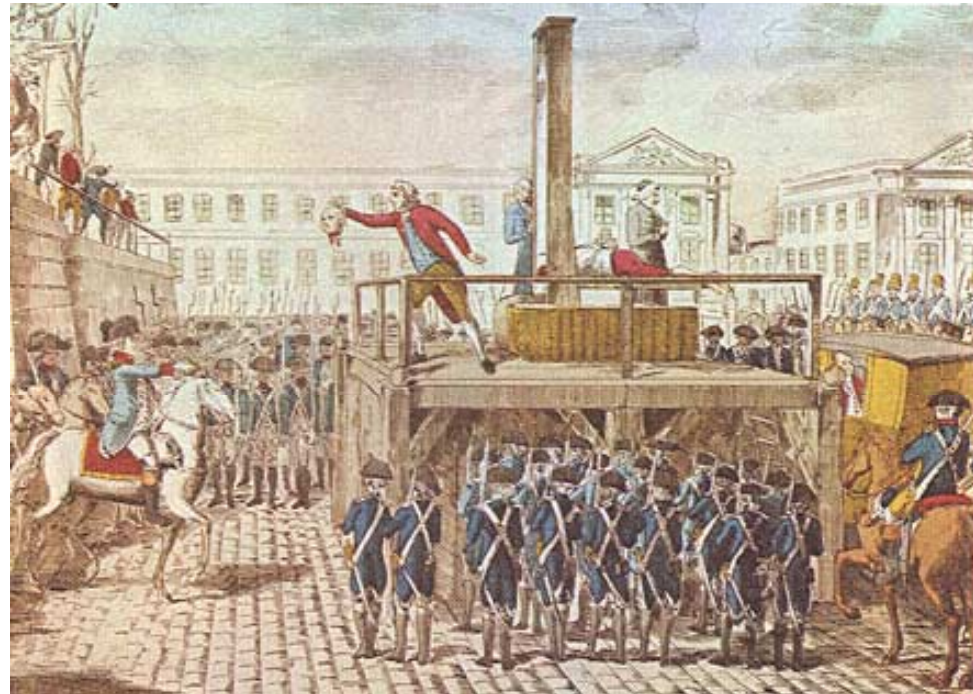
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The growth of the Internet is a revolution at least as profound as the Industrial Revolution. The giants of the Industrial Age will not necessarily dominate the Information Age.

You cannot have a framework for a revolution, it is either order or chaos. You organise to survive it.

Survival... ..

# Revolution



Like all revolutions the choice is either to join it  
or become a victim.





# Survival - e-Risk management

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- Must be fast, devolved and able to deal with volatile infrastructure, changing threats and growing availability requirements
- Must interact with incident response process and business risk management processes
- Must be able to address low probability, high impact risks

# New role for information security

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- Enhance reputation and brand value
- Focus on safeguarding “flows” rather than “stocks” of information
- Embrace rather than inhibit new technologies and new ways of working
- Integral part of the business “licence” to operate
- Transform the business
- Personal and pervasive

# Mission statement for Information Security

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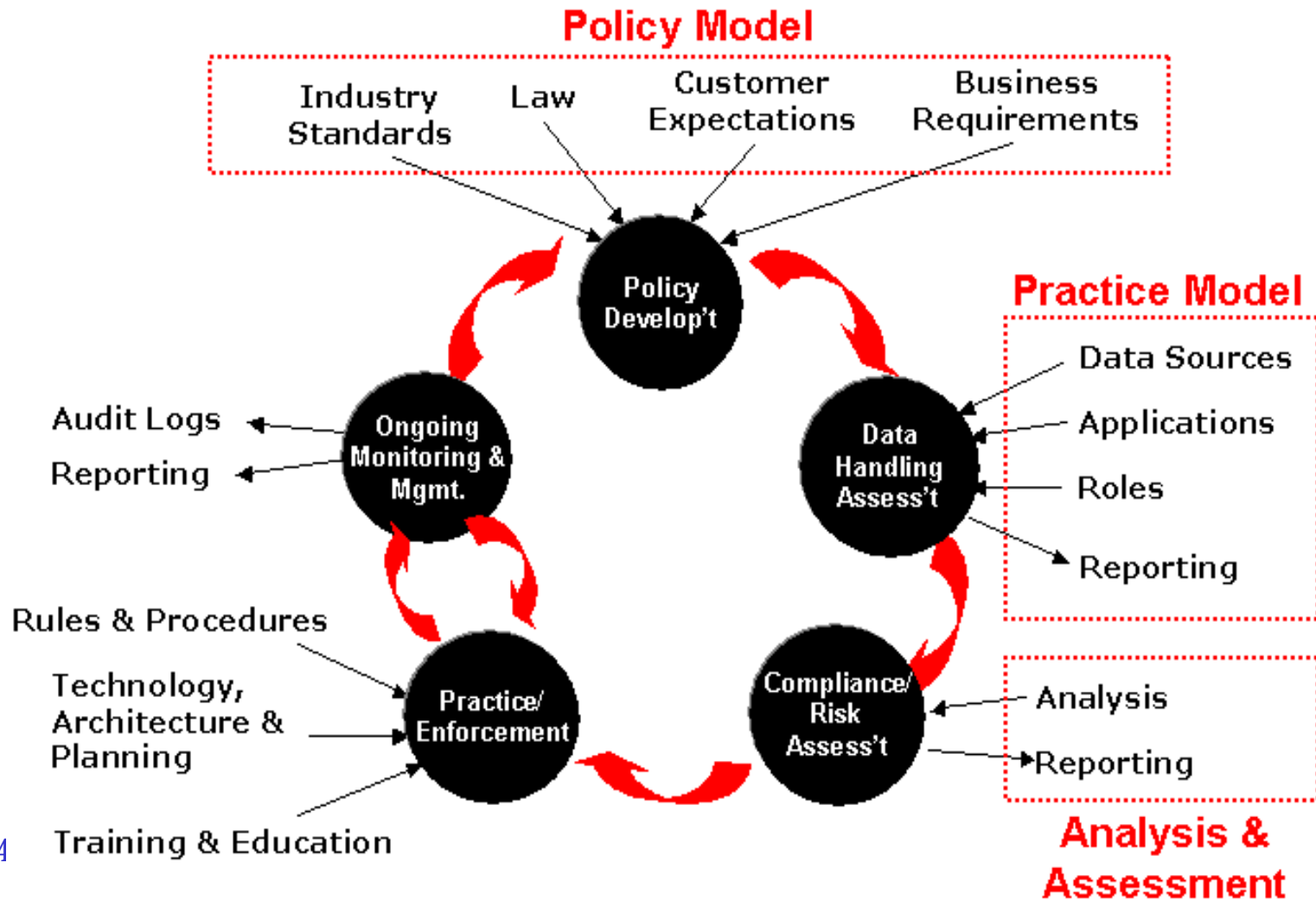
- To safeguard company reputation, enhance brand value and optimise risk management
- *by preventing and minimising the impact of information security incidents, and delivering assurance to stakeholders*

# The information age



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- Openness, trust and risk-taking will beat secrecy, suspicion and caution
  - Speed, flexibility and agility are pivotal
  - Death of distance
  - Knowledge is power
  - Globalisation, de-regulation, de-massification
  - Trusted partners to succeed
  - Trust and reliability underpin all business activity

# The Corporate Policy Lifecycle



# The C4I Attack Cycle

