

Information Technology Governance

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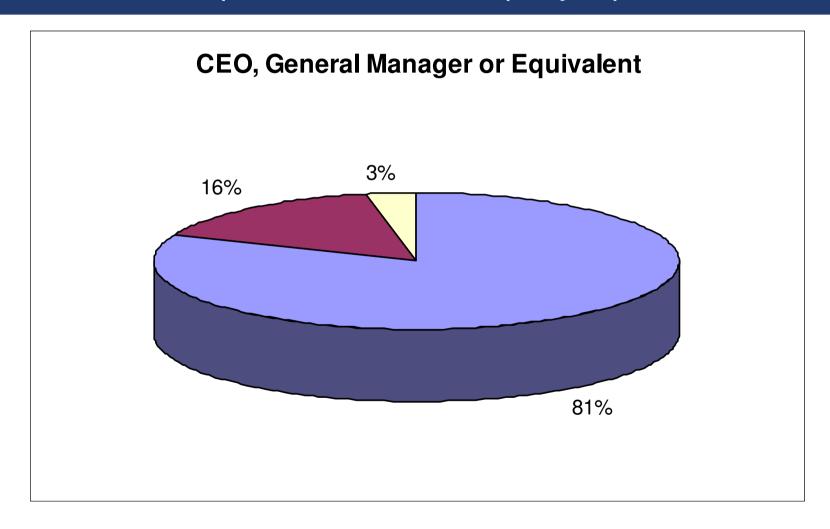
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IT Governance

Agenda

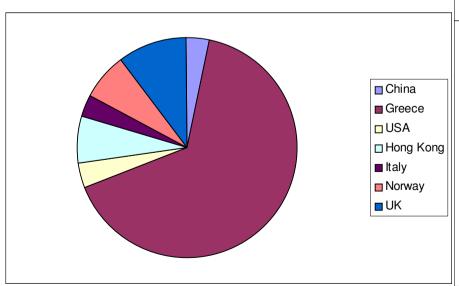
- What is IT Governance and why is it important
- Key IT decisions and decision makers
- Survey on Shipping IT Governance
- How do enterprises govern IT and how is shipping different
- How top performers govern
- Some conclusions and proposals

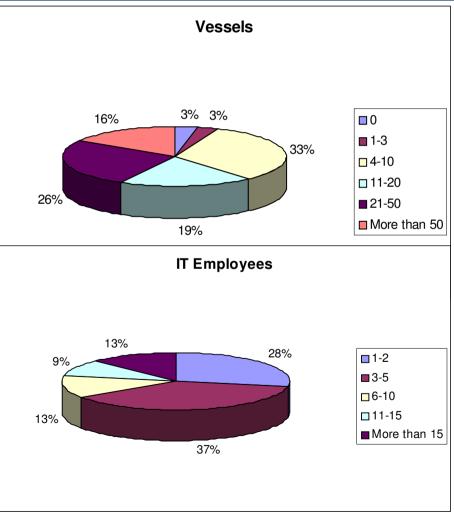
The IT department in our company reports to:



Profile of the Survey

Participants: 33 companies More than 600 vessels More than 170 employees Focused on Greece (65%)





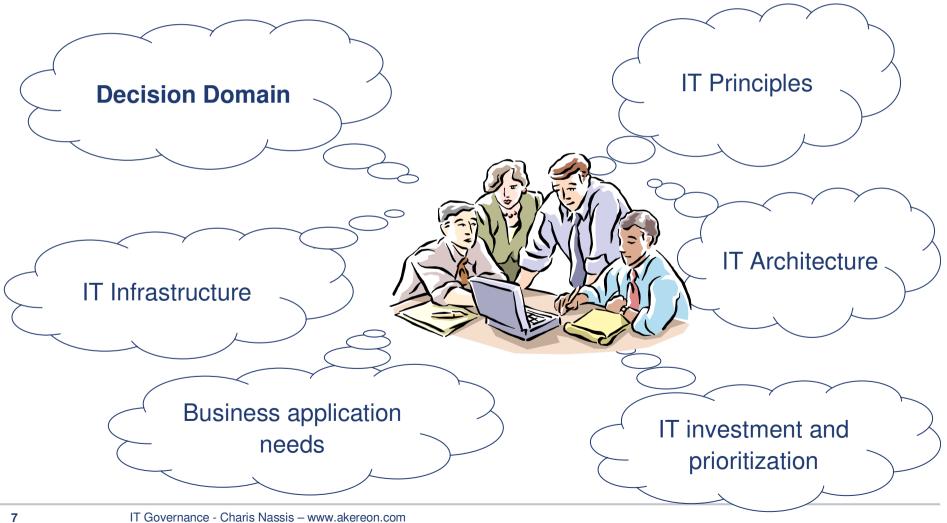
Why is IT Governance Important?

- Top- Performing enterprises succeed in obtaining value from IT where others fail.
- One estimate is up to 40% greater return than their competitors for the same IT investment.
- IT Governance specifies accountabilities for IT-related business outcomes and helps companies align their IT investments with their business priorities.
- Research by MIT Sloan Center for Information Systems

What is IT Governance?

- The framework for decision rights and accountabilities to encourage desirable behavior in the use of IT
- Not about what specific decisions are made. This is management.
- About systematically determining who makes each type of decision, who has input to a decision, and how these people (or groups) are held accountable for their role.

Key Information Technology Decisions



Key Information Technology Decisions

IT Principles

What is the role of IT in our business? How do we translate the business principles to IT principles that guide IT decision making?

IT Architecture

What is our technology plan? What are the core business processes of our company? How are they related? What activities and data must be standardized company wide? What are the technology choices that will guide the company approach to IT initiatives?

Key Information Technology Decisions

IT infrastructure

Centrally coordinated, shared IT services providing the foundation for the company's IT capability (i.e. equipment, networks, development platforms, data center)

Business application needs

Business requirements for purchased or internally developed IT applications.

IT Investment and Prioritization

Decisions about how much and where to invest in IT, including project approval and justification.

Governance Archetypes

Top Executives

A group of, or individual business executives (i.e. CEO, General manager)

IT

Individuals or groups of IT executives

Business Unit Leaders

Business unit leaders (i.e. Dry cargo or Tanker business), key process owners, or their delegates

Federation

Top executives, Business unit leaders and IT as a group

IT Duopoly

IT executives with one other group (i.e. Top executives or Business Unit leaders)

Anarchy

Individual users or small groups of users

Shipping IT Governance

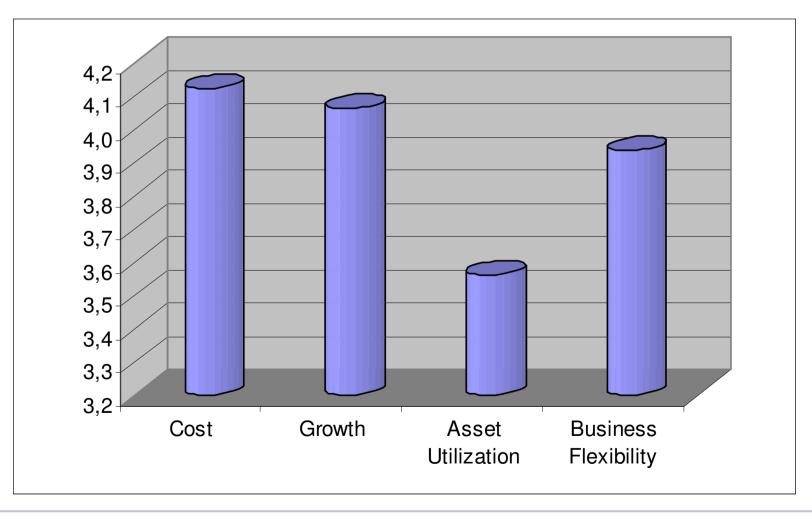
	IT Principles	IT Architecture	IT Infrastructure	Business Application Needs	IT Investment & Prioritization
Top Executives					
IT Monarchy					
Business Unit Leaders					
Federation		1	3		
Duopoly					
Anarchy					

Shipping IT Governance

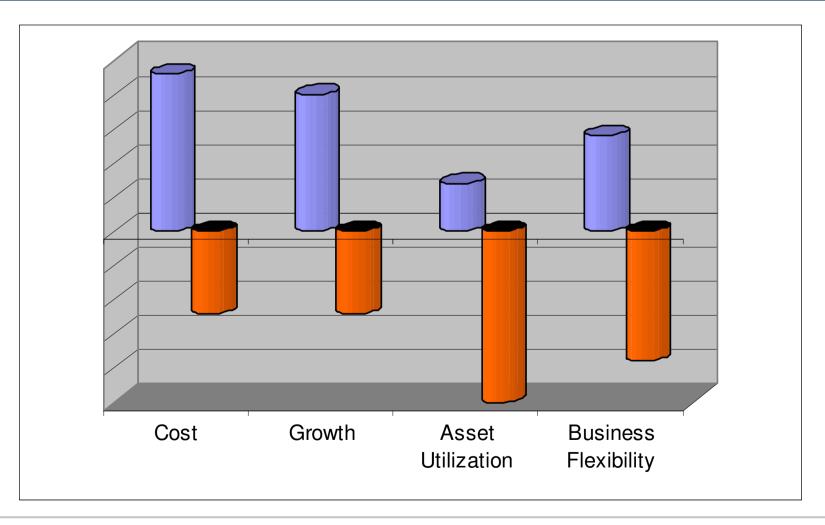
	IT Principles	IT Architecture	IT Infrastructure	Business Application Needs	IT Investment & Prioritization
Top Executives	35	12	3	0	60
IT Monarchy	25	66	85	28	9
Business Unit Leaders	6	0	3	28	0
Federation	6	9	0	3	6
Duopoly	28	13	9	41	25
Anarchy	0	0	0	0	0

Numbers in each cell are percentages. Columns add to 100

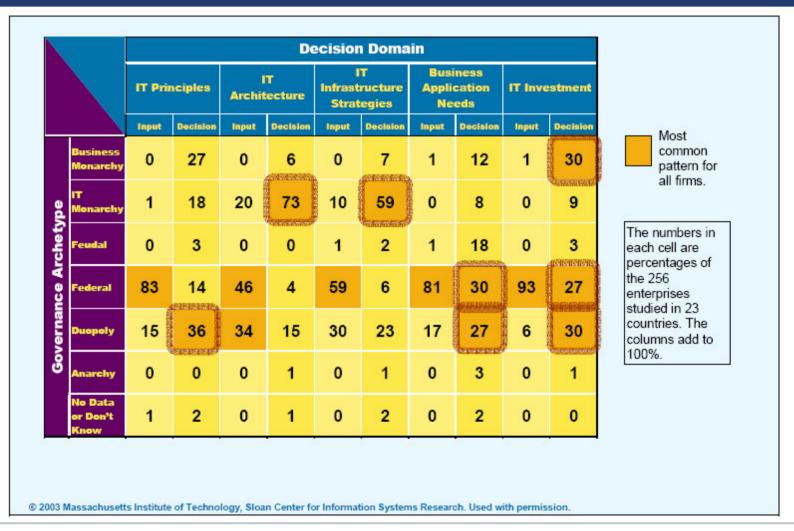
How important are the following outcomes?



Outcomes selected as Most or Less important



How Do Enterprises Govern?

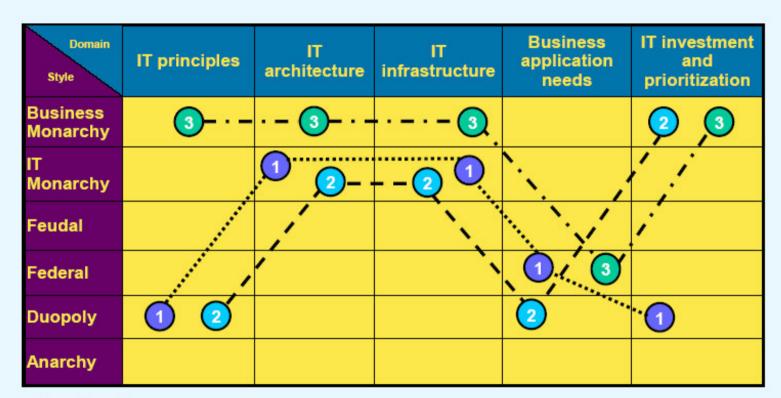


How is shipping IT Governance different?

	IT Principles	IT Architecture	IT Infrastructure	Business Application Needs	IT Investment & Prioritization
Top Executives	35	12	3	0	60
IT Monarchy	25	66	85	28	9
Business Unit Leaders	6	0	3	28	0
Federation	6	9	0	3	6
Duopoly	28	13	9	41	25
Anarchy	0	0	0	0	0

Numbers in each cell are percentages. Columns add to 100

How do Top Performers Govern?







Top Three Performers -

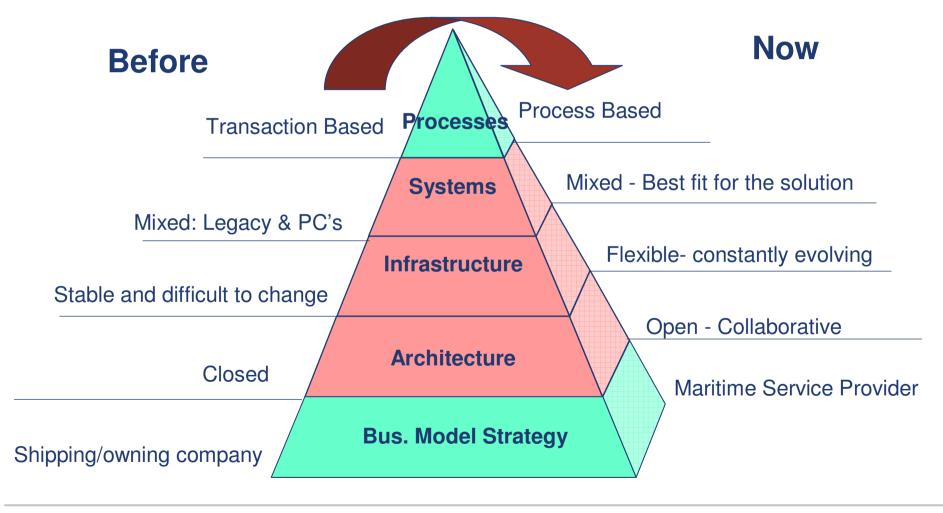
Governance performance is the effectiveness of governance assessed by the CIO to deliver four IT objectives weighted by importance: cost effective use of IT & effective use of IT for asset utilization, revenue growth & business flexibility. Governance performance has statistically significant positive relationship with several measures of financial performance (i.e. ROA, ROE, market cap growth).

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Some conclusions and proposals

- Shipping companies may need to work on translating the business principles to IT principles that guide IT decision making
- Unlike other industries decisions taken in a group of top executives, business unit leaders and IT is not very popular in shipping
- When it comes to decisions related to infrastructure and architecture, IT
 Monarchy prevails.
- A shipping company mostly expects from IT outcomes related to cost savings and growth.
- Probably there is a need to establish specific performance measurements for shipping IT.
- There may be more than one path to successful IT governance
- Successful IT governance encourages desirable behaviors and can offer greater returns on IT investments

Shipping IT Strategy Evolution



Shipping IT Balanced Scorecard

