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Class 17: IT Outsourcing

# 15.571 Generating Business Value From Information Technology

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## Willcocks, Reynolds, Feeny 9 Core Capabilities

Capability	Description
Leadership	Integrates the IS effort with business purpose and activity
Informed Buying	Manages the IS sourcing strategy to meet the needs of the business
Business Systems Thinking	Ensures that IS capabilities are envisioned in every business process
Relationship Building	Gets the business constructively engaged in operational IS issues
Contract Facilitation	Ensures the success of existing contracts for external IT services
Architecture Planning and Design	Creates the coherent blueprint for a technical platform that responds to present and future needs
Vendor Development	Identifies the potential added value from IT service suppliers
Contract Monitoring	Protects the business's contractual position, present and future
Making Technology Work	Rapidly trouble-shoots problems which are being disowned by othersacross the technical supply chain



#### **Debate Question**

 Dow's reliance on outsourcers will ultimately limit its success in growing the business.



### All Outsourcing Arrangements Are Not Equal

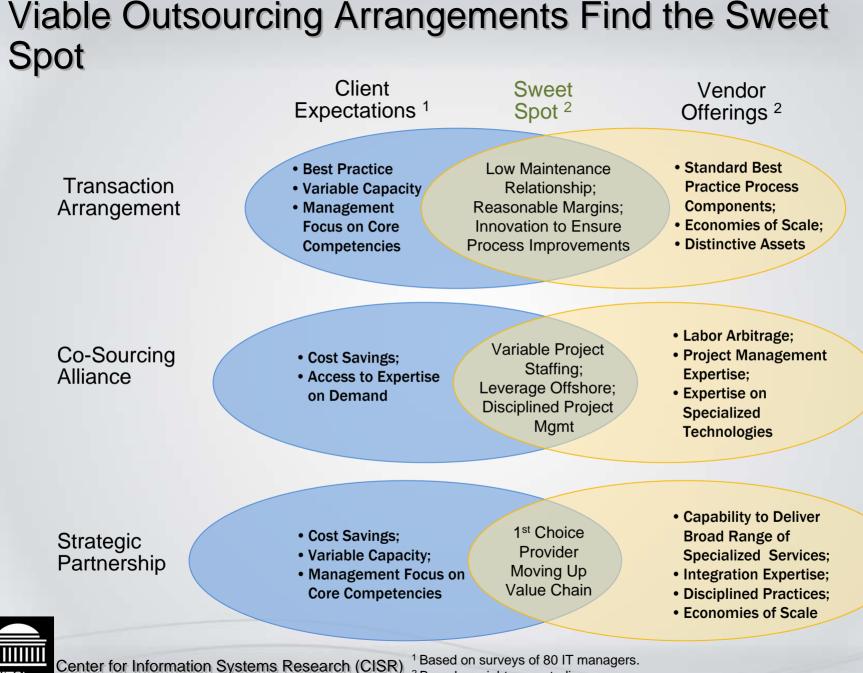
	Three Mutually Exclusive Models				
	Transaction Arrangement	Co-sourcing Alliance	Strategic Partnership		
What is Outsourced	Narrowly defined, repeatable process	Project management and implementation	Broad responsibility for operational activities		
Key Metrics	Quality and/or cost per transaction	Project success	Bottom-line impact		
Client-Vendor Relationship	Arms length	Joint project management	Negotiated accountability		
Client Success 1	90%	63%	50%		
Vendor Success	90%	75%	50%		
Increasing Risk					

<sup>1</sup> Client views based on 80 surveys of outsourcing success. Questions asked: "Within the firm we view this outsourcing agreement as a success" and "The vendor is profiting from the outsourcing arrangement." Percentage is based on number of respondents who rated the statement as a 4 or 5 on a scale of 1 to 5.



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Source: Ross, J. and Beath, C., "Sustainable Value From Outsourcing: Finding the Sweet Spot," MIT Sloan CISR Research Briefing, Vol. V, No. 1A, March 2005.



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MANAGEMENT

<sup>2</sup> Based on eight case studies.

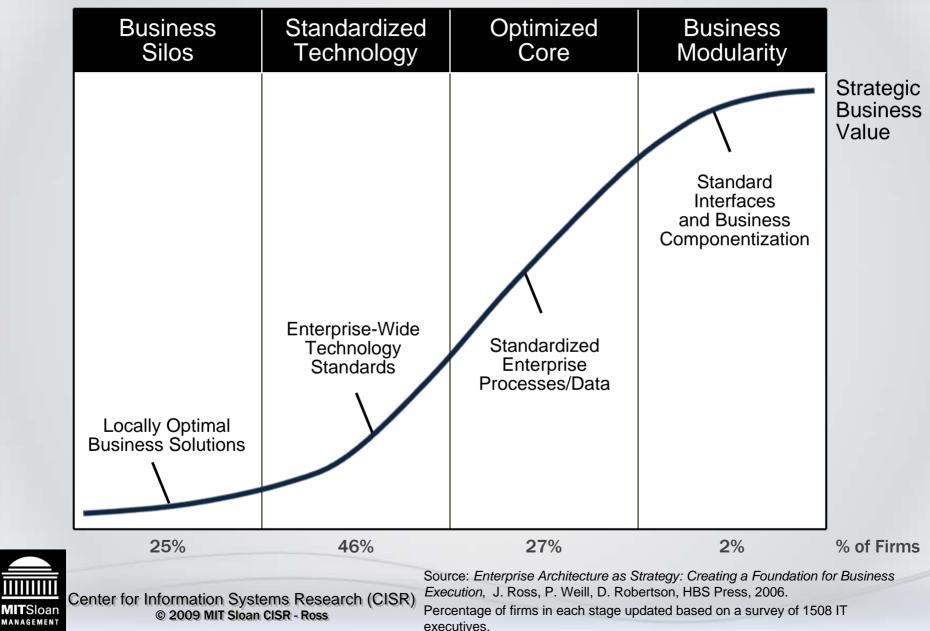
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#### **Different Arrangements Require Different Management**

Key Management Practices					
Transaction Arrangement	Co-sourcing Alliance	Strategic Partnership			
<ul> <li>Transaction is a core competency of the vendor</li> <li>Desirable outcomes clearly</li> </ul>	<ul> <li>Rigorous processes— disciplined project management</li> </ul>	<ul> <li>Regular renegotiation of the deal—as business and technology change</li> </ul>			
<ul> <li>specified</li> <li>Simple hand-offs—most often electronic data exchange</li> <li>Low management overhead</li> </ul>	<ul> <li>Shared management—joint accountability</li> <li>Metrics focused on joint accomplishments: time to market; budget limits (Don't attempt to measure individual contributions of vendor)</li> </ul>	<ul> <li>First-choice provider status: client finds additional services to outsource to compensate vendor for lowering costs</li> <li>Vendor committed to client success</li> </ul>			
<ul> <li>Client is able to "let go" (doesn't micromanage)</li> </ul>		<ul> <li>Client accepts vendor- imposed process discipline</li> <li>Strong relationship leaders on both client and vendor side</li> </ul>			



#### **Enterprise Architecture Matures Over Time**



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### **Outsourcing Can Accelerate Architecture Maturity**

	Business Silo	Standardized Technology	Optimized Core	Business Modularity
What to Outsource	Easily isolated processes	IT infrastructure management	Project management of major systems implementations	·····
				Process design and operation with supporting technology
Ideal Relationship	Narrowly focused transaction outsourcing	¢		
		Strategic partnership	Co-sourcing alliance	Transaction outsourcing
Achievable Outsourcing Objectives	Cost savings	IT management discipline; Cost savings; Risk reduction; Management focus	Technology/expertise transfer; Process discipline and reengineering; Management focus; Cost effectiveness; Variable capacity; Risk sharing	Strategic agility; Leverage IT and process expertise for world class business processes; Variable capacity; Management focus; Cost effectiveness; Risk sharing



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Source: *Enterprise Architecture as Strategy: Creating a Foundation for Business Execution*, J. Ross, P. Weill, D. Robertson, HBS Press, 2006.

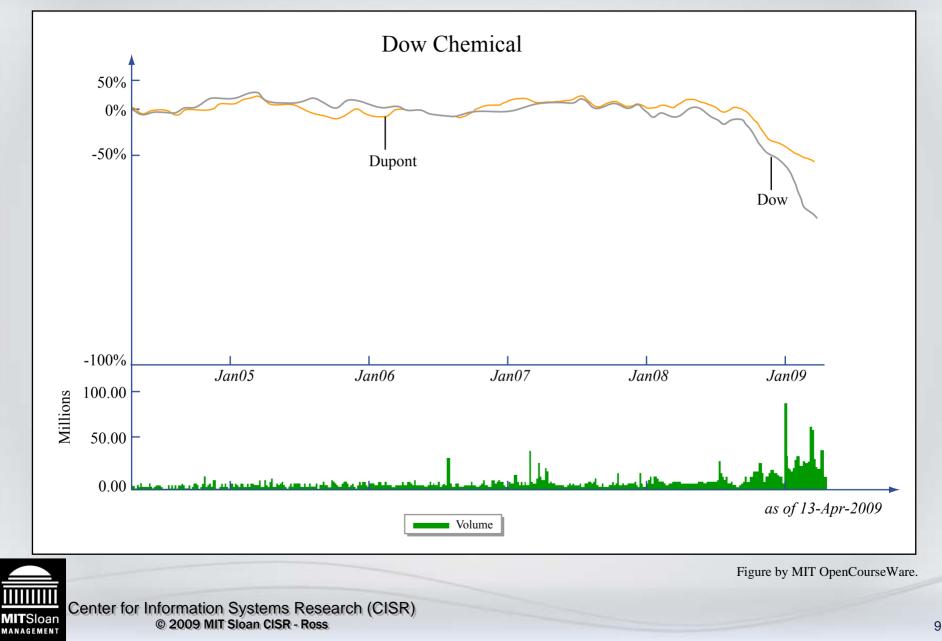
#### **Dow Financial Performance**

Year	2008	2007	2006	2005	2004
Net Sales <sup>1</sup>	57,514	53,513	49,124	46,307	40,161
Net Income <sup>1</sup>	579	2,887	3,724	4,515	2,797

Note: In 2008 Dow acquired Rohm & Haas to enhance its portfolio of performance chemicals. The deal was not closed until March 2009.



#### Relative Stock Performance of Dow and DuPont



### **Closing Thoughts on Dow and IT Outsourcing**

- IT outsourcing changes, but does not reduce, the skill requirements of the IT unit.
- A strategy of operational excellence does not promote innovation. Profitable growth requires building new businesses around the core.
- Architecture maturity enables and constrains strategy by providing a platform for doing business.
- Some processes within a firm are commodities and those processes can—and often should—be outsourced. (Wait for the market to materialize.)
- Some processes are strategic. For those, outsourcing is risky business.



## **Key Outsourcing Decisions**

- IT outsourcing versus inhouse development and operations
  - IT outsourcing relies on external parties to provide development and/or infrastructure operations support (e.g. Campbell's outsourcing to IBM; Dow's outsourcing to Accenture and IBM)
  - Inhouse sourcing requires technical expertise to develop and run systems
- Business process outsourcing vs. inhouse business processes
  - Business process outsourcing relies on external parties to process transactions associated with business functions (e.g. Qatar Airways outsources revenue accounting; BAE Systems outsources HR)
  - Traditionally, firms have created functions to run all essential functions, whether or not they are strategic.
- Onshore versus offshore outsourcing
  - Offshore outsourcing provides variable capacity and usually results in lower wages
  - Onshore outsourcing provides proximity and avoids time zone issues
- Dedicated processing versus "the cloud"
  - Most firms install their software, then take responsibility for running their systems, which includes installing upgrades and enhancements.
  - Salesforce.com, IBM, Oracle and others are offering to provide software as a service (SaaS), which means they will run the software on their machines and take care of all updates and maintenance.



#### IT and Business Process Outsourcing: Promises and Risks

- Beware of the expected cost savings from outsourcing.
- IT outsourcing changes the skill requirements of the IT unit.
- Some processes within a firm are commodities and those processes can—and often should—be outsourced for operational excellence. (But wait for the market to materialize.)
- A strategy of operational excellence can inhibit rather than promote business innovation.
- Some business processes are distinctive. For those, outsourcing is risky.
- Outsourcing can accelerate architecture maturity. Architecture maturity can better position a firm to benefit from outsourcing.
- Offshoring and "cloud" technologies have promise but they do not resolve problems caused by undisciplined business processes. They demand new management skills.

