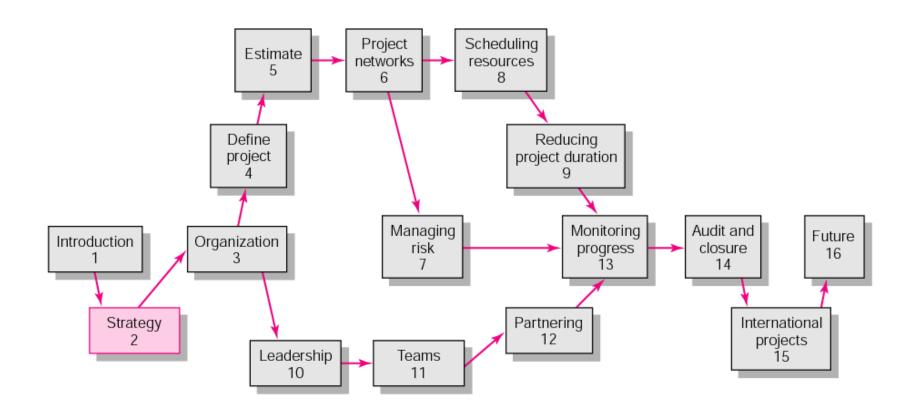


Chapter 2

Organization Strategy and Project Selection

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PowerPoint Presentation by Charlie Cook



Why Project Managers Need to Understand the Strategic Management Process

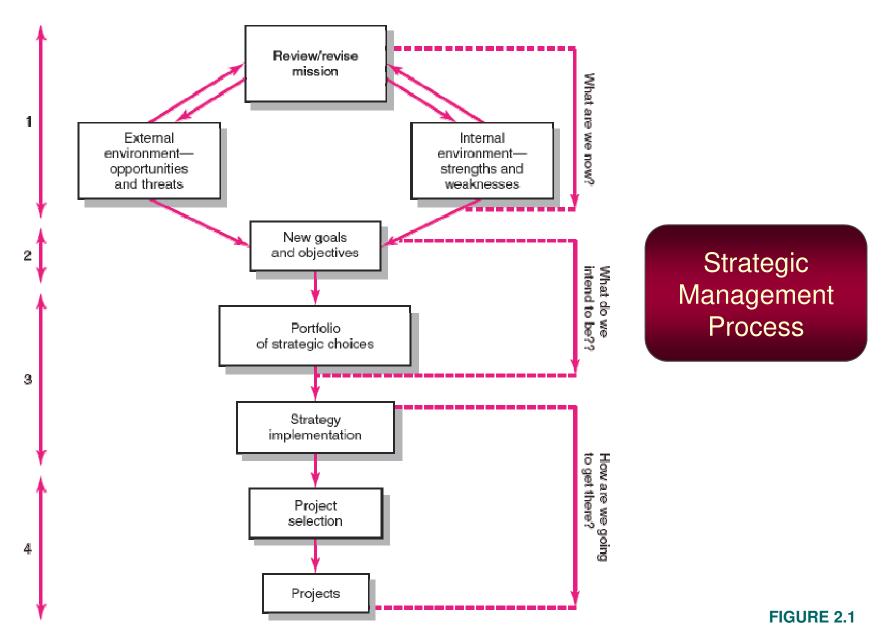
- Changes in the organization's mission and strategy
 - Project managers must respond to changes with appropriate decisions about future projects and adjustments to current projects.
 - -Project managers who understand their organization's strategy can become effective advocates of projects aligned with the firm's mission.

The Strategic Management Process: An Overview

- Strategic Management
 - —Provides the theme and focus of the future direction for the firm.
 - Responding to changes in the external environment environmental scanning
 - Allocating scarce resources of the firm to improve its competitive position—internal responses to new action programs
 - -Requires strong links among mission, goals, objectives, strategy, and implementation.

Strategic Management Process (cont'd)

- Four of Activities of the Strategic Management Process
 - 1. Review and define the organizational mission.
 - 2. Set long-range goals and objectives.
 - Analyze and formulate strategies to reach objectives.
 - 4. Implement strategies through projects



Characteristics of Objectives

S Specific Be specific in targeting an objective

Measurable Establish a measurable indicator(s) of progress

Assignable Make the objective assignable to one person for

completion

Realistic State what can realistically be done with available

resources

Time related

Project Portfolio Management Problems

The Implementation Gap

-The lack of understanding and consensus on strategy among top management and middle-level (functional) managers who independently implement the strategy.

Organization Politics

 Project selection is based on the persuasiveness and power of people advocating the projects.

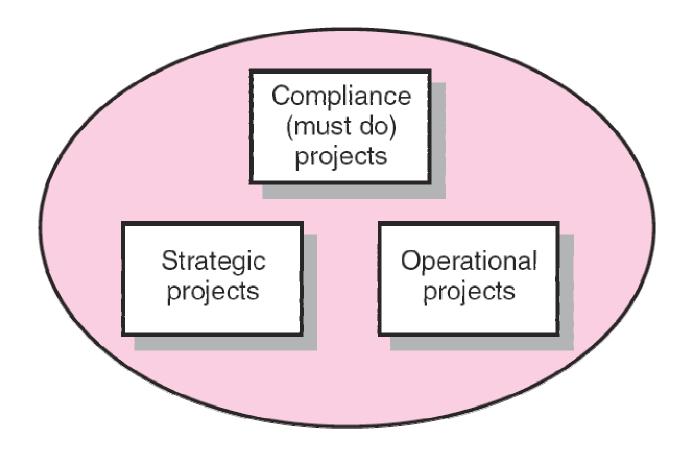
Resource Conflicts and Multitasking

-The multiproject environment creates interdependency relationships of shared resources which results in the starting, stopping, and restarting projects.

Benefits of Project Portfolio Management

- Builds discipline into project selection process.
- Links project selection to strategic metrics.
- Prioritizes project proposals across a common set of criteria, rather than on politics or emotion.
- Allocates resources to projects that align with strategic direction.
- Balances risk across all projects.
- Justifies killing projects that do not support organization strategy.
- Improves communication and supports agreement on project goals.

Portfolio of Projects by Type



A Portfolio Management System

- Selection Criteria
 - -Financial: payback, net present value (NPV), internal rate of return (IRR)
 - —Non-financial: projects of strategic importance to the firm.
- Multi-Weighted Scoring Models
 - Use several weighted selection criteria to evaluate project proposals.

Financial Models

- The Payback Model
 - –Measures the time it will take to recover the project investment.
 - -Shorter paybacks are more desirable.
 - -Emphasizes cash flows, a key factor in business.
 - -Limitations of payback:
 - Ignores the time value of money.
 - Assumes cash inflows for the investment period (and not beyond).
 - Does not consider profitability.
 - Payback period (yrs) = Estimated Project Cost/Annual Saving

Financial Models (cont'd)

- The Net Present Value (NPV) model
 - Uses management's minimum desired rate-of-return (discount rate) to compute the present value of all net cash inflows.
 - Positive NPV: the project meets the minimum desired rate of return and is eligible for further consideration.
 - Negative NPV: project is rejected.

Project NPV =
$$I_0 + \sum_{i=1}^{n} \frac{F_t}{(1+k)^t}$$
 where

 I_0 = Initial investment (since it is an outflow, the number will be negative)

 $F_t = \text{net cash inflow for period } t$

k = required rate of return

Net Present Value (NPV) and Internal Rate of Return (IRR): Example Comparing Two Projects

Project A		Year 1	Year 2	Year 3	Year 4	Year 5	Total	Formulas
Required Rate								
of Return`	20%							
Outflows		(\$700,000)					(\$700,000)	
Inflows		\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$1,125,000	Project A: =NPV(B6,C9:G9)
Net Inflows		(\$475,000)	\$225,000	\$225,000	\$225,000	\$225,000	\$425,000	
NPV	\$89,554							
Project B		Year 1	Year 2	Year 3	Year 4	Year 5	Total	
Required Rate								
of Return	20%							
Outflows		(\$400,000)					(\$400,000)	
O I I O		\$110,000	\$110,000	\$110,000	\$110,000	\$110,000	\$550,000	Project B: =NPV(B14,C17:G17
Cash Inflows		Ø1110,000			_			110,000. 141 4(014,012.017
Net inflows		(\$290,000)	\$110,000	\$110,000	\$110,000	\$110,000	\$150,000	110,000.
Net inflows	-\$4,366				_			110,000 5. 141 4,014,017.017
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Net inflows NPV NPV compariso	on: Accep Reject	(\$290,000) t Project A— Project B— Pay	\$110,000 NPV is po -NPV is ne	\$110,000 sitive gative nod Project B	_			Project A Payback: =(C32/C33
Net inflows NPV NPV compariso Investme Annual S Payback	ent Savings k Period*	(\$290,000) t Project A— Project B— Pay Project A \$700,000 \$225,000 3.1 years	\$110,000 NPV is po -NPV is ne	\$110,000 sitive gative nod Project B \$400,000 \$110,000 3.6 years	_			Project A Payback: =(C32/C33
Net inflows NPV NPV compariso Investme Annual S	ent Savings k Period*	(\$290,000) t Project A— Project B— Pay Project A \$700,000 \$225,000	\$110,000 NPV is po -NPV is ne	\$110,000 sitive gative nod Project B \$400,000 \$110,000	_			Project A Payback: =(C32/C33 Project B Payback: =(E32/E33 Project A: =(C33/C32) Project B: =(E33/E32)

Project B: Accept, less than 5 years

EXHIBIT 2.3

Project Screening Matrix

Criteria	Stay within core competencies	Strategic fit	Urgency	25% of sales from new products	Reduce defects to less than 1%	Improve customer Ioyalty	ROI of 18% plus	Weighted total
	2.0	3.0	2.0	2.5	1.0	1.0	3.0	
Project 1	1	8	2	6	0	6	5	66
Project 2	3	3	2	0	0	5	1	27
Project 3	9	5	2	0	2	2	5	56
Project 4	3	0	10	0	0	6	0	32
Project 5	1	10	5	10	0	8	9	102
Project 6	6	5	0	2	0	2	7	55
:								
Project n	5	5	7	0	10	10	8	83

Applying a Selection Model

- Project Classification
 - Deciding how well a strategic or operations project fits the organization's strategy.
- Selecting a Model
 - Applying a weighted scoring model to bring projects to closer with the organization's strategic goals.
 - Reduces the number of wasteful projects
 - Helps identify proper goals for projects
 - Helps everyone involved understand how and why a project is selected

Project Proposals

- Sources and Solicitation of Project Proposals
 - -Within the organization
 - Request for proposal (RFP) from external sources (contractors and vendors)
- Ranking Proposals and Selection of Projects
 - Prioritizing requires discipline, accountability, responsibility, constraints, reduced flexibility, and loss of power.
- Managing the Portfolio
 - -Senior management input
 - -The priority team (project office) responsibilities

Date Number						
Project Title Project Manager Project Manager						
General support Quality Legal New product Cost reduction Replacement Capacity						
YES NO The project will take more than 500 labor hours? YES NO The project is a one-time effort? (will not occur on a regular basis) YES NO The project proposal was reviewed by the product manager?						
Problem definition Describe the problem/opportunity.						
Goal definition Describe the project goal.						
Objective definition Performance: Quantify the savings/benefits you expect from the project.						
Cost: Labor hours, materials, methods, equipment?						
Schedule: Overall duration in months.						

Major Project Proposal

FIGURE 2.4A

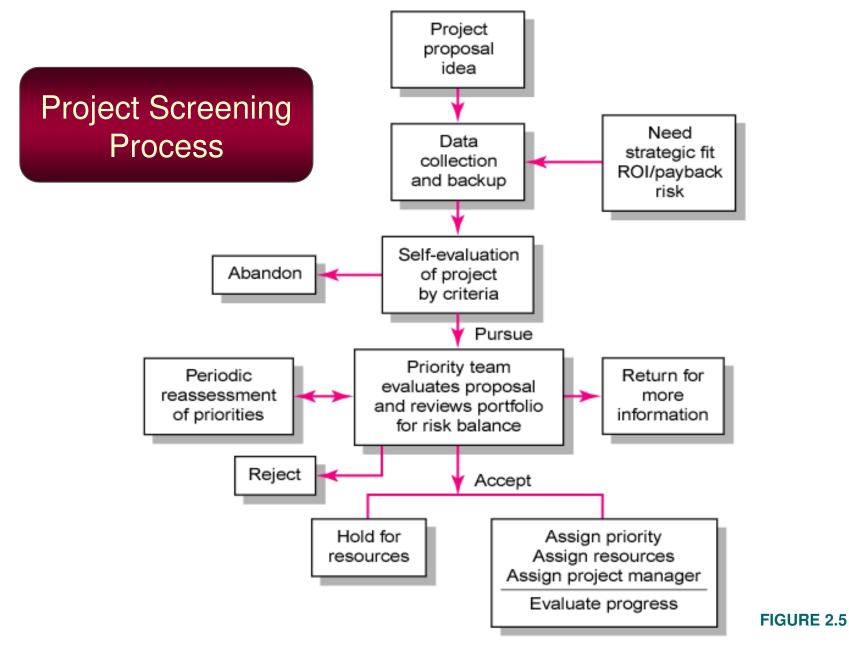
What are the three major risks for this proje	What are the three major risks for this project?						
1.							
2.							
3.							
		Risk 1 above					
What is the probability of the above risks occurring?	0 to 1.0	Risk 2 above					
above risks occurring?	none high	Risk 3 above					
		Risk 1 above					
What is the impact on project success if these risks do occur?	0 to 10 none high	Risk 2 above					
		Risk 3 above					
Resources available?	Yes	No					
Current project status	Current project status						
Start date Estimated finis	Start date Estimated finish date						
Status: On hold							
Update:							
Priority team action: Accepted Returned							
Discovery—project not defined Duplicate to:							
Operational—proposal not a project Project #							
Need more information—to prioritize project Completed project							

Risk Analysis

FIGURE 2.4B

Managing the Portfolio

- Senior Management Input
 - Provide guidance in selecting criteria that are aligned with the organization's goals
 - Decide how to balance available resources among current projects
- The Priority Team Responsibilities
 - Publish the priority of every project
 - Ensure that the project selection process is open and free of power politics.
 - -Reassess the organization's goals and priorities
 - -Evaluate the progress of current projects



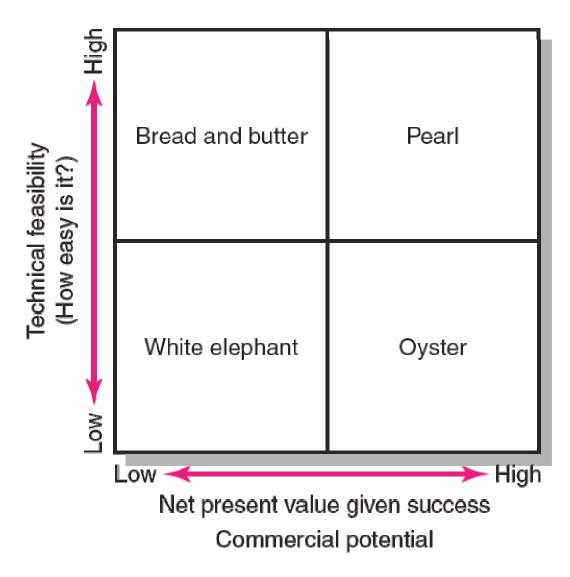
Project number

				riojeot		
Must objective:	6	Must meet if impacts	26	27	28	29
All activities meet curre legal, safety, and environmental standard		Yes-Meets objective No-Does not meet obj N/A-No impact				
All new products will ha a complete market analysis	ive	Yes-Meets objective No-Does not meet obj N/A-No impact	yes			
Want objectives	Relative Importance 1-100	Single project impact definitions	Weighted score	Weighted score	Weighted score	Weighted score
Provides immediate response to field 9 problems (30)		0 ≤ Does not address ① = Opportunity to fix 2 ≥ Urgent problem	99			
Create \$5 million in new sales by 20xx 88		© < \$100,000 1 = \$100,000–500,000 2 > \$500,000	0			
Improve external customer service	83	0 ≤ Minor impact 1 = Significant impact ②≥ Major impact	166			
+						
Total weig	hted score	9				
Priority						



FIGURE 2.6

Project Portfolio Matrix



Project Portfolio Matrix Dimensions

Bread-and-butter projects

 Involve evolutionary improvements to current products and services.

Pearls

 Represent revolutionary commercial advances using proven technical advances.

Oysters

Involve technological breakthroughs with high commercial payoffs.

White elephants

 Projects that at one time showed promise but are no longer viable.

Key Terms

Balanced scorecard Implementation gap Net present value **Payback Organizational politics Priority system Priority team Project portfolio Project screening matrix** Sacred cow Strategic management process