ACT-8725



SUMATEC'S SURVIVAL STRATEGY IN THE CONSTRUCTION SECTOR OF OIL AND GAS INDUSTRY

### PHOON KIN WAH

Bachelor of Mechanical Engineering University of Technology Malaysia Skudai Malaysia 1993

Submitted to the Faculty of Business and Accountancy, University of Malaya, in partial fulfillment of the requirements for the Degree of Master of Business Administration

February 2001



#### ACKNOWLEDGEMENTS

My sincere gratitude to Professor Dr. Abdul Latif Salleh, whose approval, guidance and assistance encouraged me to undertake this research project and helped me throughout the time the study was in progress.

The helps of my fellow working colleagues in Sumatec Corporation Sdn. Bhd. are gratefully acknowledged. Special heartfelt thanks to Encik Wan Karmaruddin (Managing Director), Mr. James Chan Yok Peng (Executive Director), Mr. Go Poi Hong (General Manager - Project), Mr. Yap Choon Huat (Financial Controller) and Mr. Khoo Kok Khee (Procurement Manager) for providing me the necessary data and information. My work will not have been completed without these helps.

Special thanks to my beloved Beh Yen Sun, my parents, brother and sisters, for their continuous encouragement, understanding and strong supports during the course of the research was being done.

Among the many supportive friends who deserve special mention are Nick Wong W.C., Choo H.S. and Chee F.S.. Thanks for your valuable comments and suggestions.

This research paper is specially dedicated to my beloved Beh Yen Sun, my parents, brother and sisters.

## TABLE OF CONTENTS

CHAPTER No.	DESCRIPTION	PAGE
	EXECUTIVE SUMMARY	
1.0	INTRODUCTION	1 - 4
1.1	The Construction Sector of Oil and Gas Industry In Malaysia and Worldwide	1
1.2	Emergence of Sumatec As A Major Contractor In The Oil and Gas Industry In Malaysia	2
1.3	Objective of The Study	3
1.4	Scope and Limitations of The Study	3
1.5	Organisation of The Study	3
		-
2.0	SUMATEC'S COMPANY PROFILE	5 - 14
2.1	Company Background	5
2.2	Company Success	8
2.2.1	Construction Works For Oil and Gas Industry	8
2.2.2	Construction Works For General Industries	11
2.2.3	Company Annual Turnover	11
2.3	Product Range	12
2.4	Market and Competition	12
2.5	Pricing Strategy	13
3.0	METHODOLOGY	15 - 16
3.1	Analysis Tools	15
4.0	ANALYSIS OF THE COMPANY	17 - 52
4.1	General External Environment Analysis	17
4.1.1	Economic Forces	17
4.1.2	Social, Cultural, Demographics and Environmental	20
	Forces	20

# TABLE OF CONTENTS

CHAPTER No.	DESCRIPTION	PAGE
4.1.3	Political, Governmental and Legal Forces	21
4.1.4	Technological Forces	21
4.1.5	Competitive Forces	22
4.2	General Internal Environment Analysis	24
4.2.1	Resources	24
4.2.2	Capabilities	26
4.2.3	Core Competencies	28
4.3	SWOT Analysis	29
4.3.1	Strengths	29
4.3.2	Weaknesses	35
4.3.3	Opportunities	38
4.3.4	Threats	40
4.4	Industry Analysis - Porter's Five Forces Model	42
4.4.1	Threats of New Entrants	42
4.4.2	Threats of Substitute Products	43
4.4.3	Bargaining Power of Suppliers	44
4.4.4	Bargaining Power of Clients	45
4.4.5	Rivalry Among Competing Firms In The Industry	45
4.5	Value Chain Analysis	46
4.5.1	Inbound Logistics	47
4.5.2	Operations	47
4.5.3	Outbound Logistics	48
4.5.4	Marketing and Sales	48
4.5.5	Service	49
4.5.6	Firm Infrastructure	49
4.5.7	Human Resources Management	50
4.5.8	Technological Development	51
4.5.9	Procurement	52
5.0	SUMMARY OF FINDINGS	53 - 56
6.0	RECOMMENDATIONS	57 - 59
6.1	Backward Integration and Forward Integration	57
6.2	Deverticalization To Cut Middle Management and	58

# TABLE OF CONTENTS

CHAPTER No.	DESCRIPTION	PAGE
6.3	Practice Empowerment of Employees	50
6.4	To Have Its Own Engineering Department	58 59
7.0	CONCLUSIONS	60 - 60
	BIBLIOGRAPHY	i - iv
	APPENDICES	a - j

## EXECUTIVE SUMMARY

The oil and gas industry worldwide is experiencing a rapid growth of demand in its petroleum products. In line with this, the growth in construction sector of oil and gas industry is relatively high too. It demands for high quality and safety standards of works and it offers premium price to its contractors. Due to the higher profitability as offered by the construction sector of oil and gas industry as compared to other general industries, many firms are striving to become one of its contractors.

In Malaysia, its demand for high quality and safety standards to be performed by the construction expertise is among the most stringent requirement in the world. Due to the internal and external environment forces, Sumatec Corporation Sdn. Bhd. has evolved from a small construction firm established in 1985 to become one of the biggest and fastest growth oil and gas contractors in Malaysia. It has successfully implemented the strategic actions planned to become a total integrated multi-disciplinary contractor within 16 years since its establishment.

In view of the rapid growth of demand anticipated for construction sector of oil and gas industry in future, it is considered timely and important to evaluate the survival strategy of Sumatec. The research findings would serve as the yardstick for Sumatec's achievement thus far and it also could be a good reference to others that are interested in joining the Malaysia's thriving construction sector of oil and gas industry.

My research findings suggest that Sumatec has been on its right track of business strategy in the construction sector of oil and gas industry. However, several weaknesses and potential threats found require that Sumatec to implement more strategic actions such as backward and forward integration activities, deverticalization of structure and ventures into international market in order to gain its sustainable competitive advantage in future.