

# CONTENTS

## RECYCLED ALUMINIUM ALLOYS PROJECT

	<i>Page</i>
<b>PREFACE</b>	<b>(i)</b>
<b>GLOSSARY</b>	<b>(ii)</b>
<b>SUMMARY</b>	<b>(iii)</b>
<b>1. THE PROJECT CONCEPT .....</b>	<b>1</b>
1.1 The Basic Concept .....	1
1.2 Expansion of the Basic Concept .....	3
1.3 Environmental Aspects .....	3
<b>2. THE PRODUCT .....</b>	<b>4</b>
2.1 Definition and Specifications .....	4
2.2 Applications .....	5
<b>3. THE JUSTIFICATION OF THE PROJECT .....</b>	<b>6</b>
<b>4. THE MARKET DIMENSIONS .....</b>	<b>7</b>
4.1 The Market Size and Project Parameters .....	7
4.2 Market Prices .....	8
4.3 Competition .....	8
4.4 Marketing and Distribution Strategy Concepts .....	9
<b>5. THE TECHNOLOGY &amp; PRODUCTION PROCESS .....</b>	<b>10</b>
5.1 The Technology .....	10
5.2 The Production Process .....	10
5.3 The Technology Source .....	14
<b>6. THE PRODUCTION REQUIREMENTS .....</b>	<b>15</b>
6.1 Raw Materials & Consumables .....	15
6.2 Utilities .....	15
6.3 Manpower .....	16
<b>7. INVESTMENT COSTS .....</b>	<b>17</b>
7.1 Summary .....	17
7.2 Total Fixed Investment Costs .....	18
7.3 Pre-production Costs .....	20
7.4 Working Capital .....	20
<b>8. PROJECT PROFITABILITY .....</b>	<b>21</b>
8.1 Overview .....	21
8.2 Financial Results - 100% Equity Case .....	21
8.3 Financial Results - Loan Case : 50% Equity/50% Loan .....	23
8.4 Sensitivity Analysis: Key Factors .....	25
<b>APPENDIX</b>	
<b>ARABIC SUMMARY</b>	