STUDY GOAL AND OBJECTIVES
This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES
◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
◆ To complement the organizations’ internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
◆ To help company to succeed in a competitive market, and

METHODOLOGY
Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES
The primary information sources include Company Reports, and National Bureau of Statistics of China etc.
Abstract

Featured with high safety, long service life and quick charge, lithium titanate batteries are deemed the first choice as car lithium batteries. It is expected that the global demand for lithium titanate batteries will embrace explosive growth. According to the development planning of leading lithium titanate battery producers worldwide, the worldwide demand for lithium titanate batteries will hit 21,500 tons as of 2016. Against the backdrop, enterprises from the US, Japan, and China poured their investment successively and have launched market layout in advance to seize the market share. Among these, Chinese enterprises are the most impressive.

Compared with the US and Japan, China lithium titanate industry starts later, but develops rapidly. At present, both the number and the capacity of Chinese lithium titanate enterprises have far above those of the US and Japan, making China the world’s largest lithium titanate producer. The major contributing reason to the boom of China lithium titanate industry lies in the preferential policies as well as the establishment of supporting industries.

China’s Demand for Lithium Titanate Batteries, 2010-2016E (tons)

In China, enterprises like Yinlong Energy and Tiankang Group have set up lithium titanate battery capacity expansion projects which will offer sufficient power to fuel China lithium titanate market in the future. The estimation shows that China’s demand for lithium titanate batteries will approximate 15,000 tons by 2016.

ALTI is the world’s first to master the key technology of lithium titanate anode materials. As early as 2005, It made a success in developing lithium batteries with lithium titanate as anode materials which were subsequently applied by Proterra. In 2010, Yinlong Energy took over 53% stake of ALTI which set up the world’s largest lithium titanate production base in Wu’an of Hebei province. In 2013, the first phase project of ALTI was put into production with the capacity of lithium titanate hitting 3,000 tons/a.

Toshiba took the lead in Japan to develop lithium titanate and lithium titanate batteries. In 2008, the company realized the mass production of lithium titanate batteries which have been successfully applied in electric vehicles by companies such as Mitsubishi.

BTR Nano Technology Co., Ltd boasts the pioneer in China to develop lithium titanate anode materials with the capacity in 2010 hitting 360 tons/a. After 2011, the company’s lithium titanate capacities got further improved. At present, the company’s capacity of lithium titanate anode materials has claimed 1,000 tons/a.

This report falls into five chapters highlighting intensively global and China lithium titanate industry. Specifically, it focuses on the operation of 9 leading industrial players at home and abroad including ALTI, Toshiba, Yinlong Energy and Sichuan Xingneng New Materials and predicts the development trend of the lithium titanate industry.
Preface
1. Overview of Lithium Titanate
   1.1 Profile
   1.2 Application
   1.3 Industry Chain

2. Development Status of Global Lithium Titanate Industry
   2.1 Development History
   2.2 Industry Environment
      2.2.1 Supply of Anode Materials
      2.2.2 Demand for Anode Materials
      2.2.3 Competition among Anode Material Enterprises
      2.2.4 Problems
   2.3 Supply
   2.4 Demand
   2.5 Competition Pattern
   2.6 United States
   2.7 Japan
   Summary

3. Development Status of China Lithium Titanate Industry
   3.1 Development Environment
      3.1.1 Policy Environment
      3.1.2 Technological Environment
      3.1.3 Industry Environment
   3.2 Supply
   3.3 Demand
      3.3.1 Influencing Factors
      3.3.2 Quantity Demanded
   3.4 Market Competition
   Summary

4. Development of China Lithium Titanate Battery Industry
   4.1 Development Environment
      4.1.1 Industry Environment
      4.1.2 Technology Environment
   4.2 Production
   4.3 Demand
      4.3.1 Demand Volume
      4.3.2 Demand Structure
   4.4 Competition Pattern
   Summary

5. Key Enterprises Worldwide
   5.1 ALTI
      5.1.1 Profile
      5.1.2 Operation
      5.1.3 Lithium Titanate Business
   5.2 Toshiba
      5.2.1 Profile
      5.2.2 Operation
   5.3 Titan Kogyo
      5.3.1 Profile
   5.4 Yinlong Group
      5.4.1 Profile
      5.4.2 Lithium Titanate Business
   5.5 Sichuan Xingneng New Materials Co., Ltd.
      5.5.1 Profile
      5.5.2 Lithium Titanate Business
   5.6 BTR Nano Technology Co., Ltd.
      5.6.1 Profile
      5.6.2 Lithium Titanate Business
   5.7 Shenzhen Tianjiao Technology Co., Ltd.
      5.7.1 Profile
      5.7.2 Operation
      5.7.3 Capacity Expansion
      5.7.4 Lithium Titanate Business
   5.8 Hebei Strong Power Li-ion Battery Technology Co., Ltd.
      5.8.1 Profile
      5.8.2 Lithium Titanate Business
   5.9 Anhui Veili New Sources Corporation
      5.9.1 Profile
      5.9.2 Lithium Titanate Business

Summary
• Crystal Structure of Lithium Titanate before/after Lithium-ion Transfers
• Lithium Titanate Battery Structure vs. Graphite Anode Lithium Battery Structure
• Lithium Titanate Industry Chain
• Performance Comparison of Different Anode Materials
• Global Anode Material Output, 2006-2016
• Global Demand for Anode Materials, 2006-2016
• Global Lithium Titanate Capacity, 2010-2016
• Global Demand for Lithium Titanate, 2010-2016
• Sol-gel Synthesis Nano Lithium Titanate Process
• Lithium Titanate Capacity in China, 2010-2016
• New Energy Vehicle Output in China, 2011-2020
• Demand for Lithium Titanate in China, 2010-2016
• Demand Structure for Lithium Battery in China, 2012
• Demand for Lithium Titanate Battery in China, 2010-2016
• Revenue and Net Income of Toshiba, FY2007-FY2015
• Lithium Titanate Battery Characteristics of Toshiba
• Lithium Titanate Capacity of Titan Kogyo, 2010-2014
• Lithium Titanate Capacity of Yinlong Group, 2011-2020
• Lithium Titanate Capacity of Sichuan Xingneng New Materials, 2012-2016
• Lithium Titanate Anode Materials Production Process of BTR Nano Technology
• Lithium Titanate Capacity of BTR Nano Technology, 2010-2013
• Revenue and Net Income of Shenzhen Tianjiao Technology, 2008-2016
• Lithium Titanate Capacity of Shenzhen Tianjiao Technology, 2010-2012
• Performance Characteristics of Lithium Titanate Anode Materials
• Global Anode Material Output, 2006-2016
• Global Demand for Anode Materials, 2006-2016
• Global Lithium Titanate Capacity, 2010-2016
• Global Demand for Lithium Titanate, 2010-2016
• Sol-gel Synthesis Nano Lithium Titanate Process
• Lithium Titanate Capacity in China, 2010-2016
• New Energy Vehicle Output in China, 2011-2020
• Demand for Lithium Titanate in China, 2010-2016
• Demand Structure for Lithium Battery in China, 2012
• Demand for Lithium Titanate Battery in China, 2010-2016
• Revenue and Net Income of Toshiba, FY2007-FY2015
• Lithium Titanate Battery Characteristics of Toshiba
• Lithium Titanate Capacity of Titan Kogyo, 2010-2014
• Lithium Titanate Capacity of Yinlong Group, 2011-2020
• Lithium Titanate Capacity of Sichuan Xingneng New Materials, 2012-2016
• Lithium Titanate Anode Materials Production Process of BTR Nano Technology
• Lithium Titanate Capacity of BTR Nano Technology, 2010-2013
• Revenue and Net Income of Shenzhen Tianjiao Technology, 2008-2016
• Lithium Titanate Capacity of Shenzhen Tianjiao Technology, 2010-2012
• Performance Characteristics of Lithium Titanate Anode Materials
• Global Anode Material Product Structure, 2006-2016
• Market Share of Global Natural Graphite Producers, 2011
• Market Share of Global Artificial Graphite Producers, 2011
• Capacity and Market Share of the World’s Major Lithium Titanate Producers, 2013
• Main Suppliers and Customers of Lithium Titanate Battery in USA, 2012
• Main Suppliers and Customers of Lithium Titanate Battery in Japan, 2012
• Global Lithium Titanate Capacity and Demand, 2010-2016
• Relevant Policies of China Lithium Titanate Industry, 2009-2013
Selected Charts

- Background and Capacity of Chinese Lithium Battery Anode Materials Producers, 2012
- Capacity and Market Share of Key Lithium Titanate Producers in China, 2012
- Lithium Titanate Capacity and Demand in China, 2010-2016
- Lithium Battery Output and Market Scale in China, 2006-2015
- Performance Comparison between Lithium Titanate Battery and Traditional Lithium Battery
- Lithium Titanate Battery Capacity and Output in China, 2010-2015
- Demand Structure for Lithium Titanate Battery in China (by Field), 2011-2016
- Capacity of Key Lithium Titanate Battery Producers in China, 2013
- Lithium Titanate Battery Output and Demand in China, 2010-2016
- Revenue and Net Income of ALTI, 2006-2016
- Lithium Titanate Projects of ALTI, 2012-2016
- Capacity and Sales of Toshiba, FY2008-FY2015
- Subsidiaries and Businesses of Yinlong Group, 2012
- Lithium Battery-Related Product Capacity of Yinlong Group, 2011-2020
- Subsidiaries and Businesses of Sichuan Xingneng New Materials, 2012
- Lithium Titanate-Related Patents of Sichuan Xingneng New Materials
- Lithium Titanate Anode Materials Performance Index of BTR Nano Technology
- Subsidiaries and Capacity of Shenzhen Tianjiao Technology, 2010-2012
- Lithium Titanate Product Performance Index of Shenzhen Tianjiao Technology
- Capacity Breakdown of Hebei Strong-power Li-ion Battery Technology by Product, 2013
- Lithium Titanate Performance Index of Anhui Veili New Energy Sources Corporation
- Capacity of Global Key Lithium Titanate Producers, 2013
You can place your order in the following alternative ways:

1. Order online at www.researchinchina.com
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: report@researchinchina.com
4. Phone us at +86 10 82600828/ 82601561

<table>
<thead>
<tr>
<th>Party A:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
</tr>
<tr>
<td>Address:</td>
</tr>
<tr>
<td>Contact Person:</td>
</tr>
<tr>
<td>E-mail:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Party B:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: Beijing Waterwood Technologies Co., Ltd (ResearchInChina)</td>
</tr>
<tr>
<td>Address: Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080</td>
</tr>
<tr>
<td>Contact Person: Liao Yan</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:report@researchinchina.com">report@researchinchina.com</a></td>
</tr>
<tr>
<td>Bank details: Beneficial Name: Beijing Waterwood Technologies Co., Ltd</td>
</tr>
<tr>
<td>Bank Name: Bank of Communications, Beijing Branch</td>
</tr>
<tr>
<td>Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing</td>
</tr>
<tr>
<td>Bank Account No #: 110060668012015061217</td>
</tr>
<tr>
<td>Routing No #: 332906</td>
</tr>
<tr>
<td>Bank SWIFT Code: COMMCHNSBJG</td>
</tr>
</tbody>
</table>

Choose type of format
PDF (Single user license) ..............1,500 USD
Hard copy .................................. 1,600 USD
PDF (Enterprisewide license)......... 2,300 USD

※ Reports will be dispatched immediately once full payment has been received.
Payment may be made by wire transfer or credit card via PayPal.

<table>
<thead>
<tr>
<th>Title</th>
<th>Format</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
About ResearchInChina

ResearchInChina (www.researchinchina.com) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

Our Major Activities

- Multi-users market reports
- Database-RICDB
- Custom Research
- Company Search

RICDB (http://www.researchinchina.com/data/database.html), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at www.researchinchina.com

For any problems, please contact our service team at:

Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080
Phone: +86 10 82600828 ● Fax: +86 10 82601570 ● www.researchinchina.com ● report@researchinchina.com