



**Global and China Lithium Titanate Industry
Report, 2013-2016**

Sep.2013

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

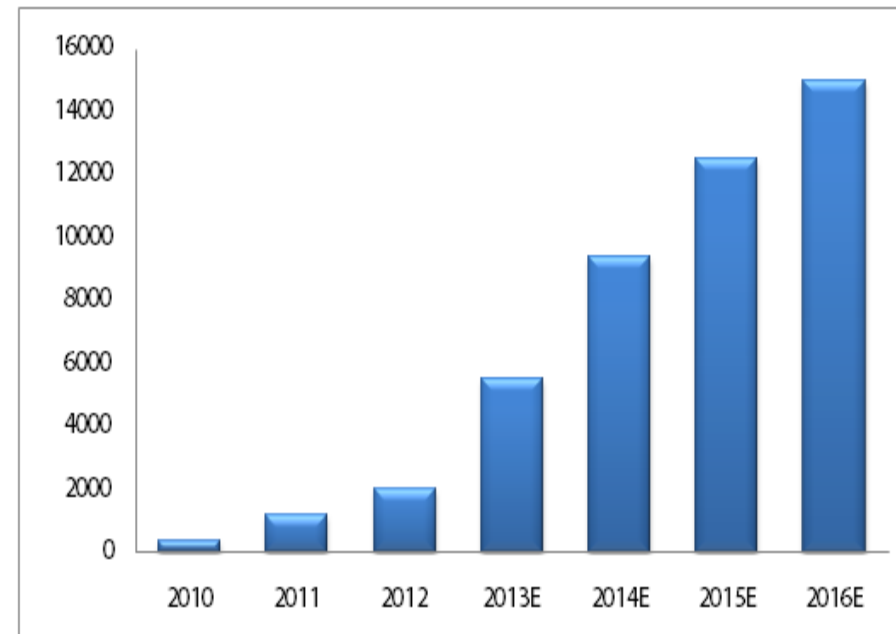
The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

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)



Source: ResearchInChina Global and China Lithium Titanate Industry Report, 2013-2016

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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.

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