

Lithium Titanate Oxide (LTO) Battery Market by Capacity (Below 3,000 mAh, 3,001–10,000 mAh, Above 10,000 mAh), Voltage, Application (Consumer Electronics, Automotive), Component (Electrodes, Electrolytes), Material and Region - Global Forecast to 2028

<https://marketpublishers.com/r/L2417844988DEN.html>

Date: September 2023

Pages: 184

Price: US\$ 4,950.00 (Single User License)

ID: L2417844988DEN

Abstracts

The global lithium titanate oxide (LTO) battery market size is expected to grow from USD 4.5 billion in 2023 to USD 7.3 billion by 2028, at a CAGR of 10.1% from 2023 to 2028. A LTO battery uses a titanate-based anode which allows for a faster flow of lithium ions. This battery has gained popularity in various industries due to its exceptional safety features, fast charging capabilities, and long life. LTO batteries have found applications in automotive, grid-scale energy storage, and consumer electronics sectors. As battery technology continues to evolve, LTO batteries is expected to become a promising option for addressing the demands of modern energy storage and power management needs.

“Medium voltage segment is projected to grow at significant CAGR during the forecast period”

LTO batteries with voltage ranging from 12 to 36 V find extensive use in diverse sectors and industries, such as automotive, medical, marine, power, industrial, and telecommunications. The suitability of these batteries for a particular application depends on the power demands and other specific requirements of the equipment or systems they are integrated into. Hence, the rising adoption of medium-voltage LTO batteries in various applications is expected to drive the market's growth.

'Below 3,000 mAh capacity segment is projected to grow at an impressive CAGR during the forecast period'

The demand for various consumer electronics is rising due to increasing urbanization and disposable income across developing regions such as Asia Pacific, South America, and Africa. The growth of the consumer electronics industry is driving the demand for LTO batteries with the capacity range of below 3,000 mAh. Companies such as Nichicon Corporation (Japan), LTO Battery Co., Ltd. (China), and Shenzhen Siqi New Energy Company Limited (China) predominantly design and manufacture LTO batteries with a capacity range of below 3,000 mAh. For instance, LTO Battery Co., Ltd. (China) offers LTO batteries for electric toothbrushes, electric trimmers, and smart electric shavers under this battery capacity range.

'Power application is expected to hold a significant market share during the forecast period'

In power applications, LTO batteries are used in energy storage systems (ESSs), smart grids, power grid stations, microgrids, UPS, wind power generation storage, solar wind power streetlights, and home energy storage. The growing demand for LTO batteries in smart grids is driven by several factors, such as the longer life and high energy density of these batteries that make them well-suited for specific applications such as grid stabilization, grid resiliency, and reliability.

'The market in Europe is expected to grow at a significant CAGR during the forecast period'

Germany contributed a significant share to the European LTO battery market in 2022. The presence of many clean energy vehicle manufacturers in the country and stringent government guidelines pertaining to carbon emissions are playing a vital role in boosting the growth of the LTO battery market. Germany is a hub for automobile manufacturers such as Volkswagen AG (Germany), Groupe Renault SA (France), and BMW AG (Germany). The rising demand for hybrid and plug-in electric vehicles is driving the growth of the German LTO battery market. The booming automotive industry and increasing developments in the consumer electronics industry are the major factors driving the growth of the LTO battery market in Germany.

Breakdown of the profiles of primary participants:

By Company Type: Tier 1 - 35%, Tier 2 - 25%, and Tier 3 - 40%

By Designation: C-level Executives - 35%, Directors - 25%, and Others - 40%

By Region: North America - 30%, Europe - 25%, Asia Pacific - 40%, and RoW – 5%

Major players profiled in this report are as follows: Toshiba Corporation (Japan), Microvast Holdings, Inc. (US), Nichicon Corporation (Japan), Leclanch? SA (Switzerland), Gree Altairnano New Energy Inc. (China), Clarios (US), AA Portable Power Corp. (US), GRINERGY (South Korea), Zenaji Pty Ltd. (Australia), Log9 Materials (India), LiTech Power Co., Ltd. (Germany) and others.

Research Coverage

The LTO battery market has been classified by component, material, capacity, voltage, application, and region. By component, the market has been segmented into electrodes and electrolytes. The market by material has been classified into lithium titanate, graphite, and metal oxides. The capacity segment is divided into below 3,000 mAh, 3,001–10,000 mAh, and above 10,000 mAh. The market has been divided into low (below 12 V), medium (12V–36 V), and high (above 36 V), by voltage segment. Furthermore, the application segment includes consumer electronics, automotive, aerospace, marine, medical, industrial, power, and telecommunication. The study also forecasts the market size in four key regions—North America, Europe, Asia Pacific, and RoW.

Key Benefits of Buying the Report:

The report provides insights on the following pointers:

Analysis of key drivers (Growing adoption of HEVs and PHEVs and high demand for renewable battery energy storage systems), restraints (High cost of LTO batteries), opportunities (Growing adoption in medical sector, Rising demand for battery-operated material-handling equipment) and challenges (Presence of alternative lithium-ion chemistries) influencing the growth of the LTO battery market

Product Development/Innovation: Detailed insights on new products, technologies, research & development activities, funding activities, industry

partnerships, and new product launches in the LTO battery market

Market Development: Comprehensive information about lucrative markets – the report analyses the LTO battery market across regions such as North America, Europe, Asia Pacific, Middle East & Africa, and South America.

Market Diversification: Exhaustive information about new products & technologies, untapped geographies, recent developments, and investments in the LTO battery market

Competitive Assessment: In-depth assessment of market position, growth strategies, and product offerings of leading players like Toshiba Corporation (Japan), Microvast Holdings, Inc. (US), Leclanch? SA (Switzerland), and Nichicon Corporation (Japan) among others in the LTO battery market

Strategies: The report also helps stakeholders understand the pulse of the LTO battery market and provides information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: SEGMENTATION

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED

1.3.4 CURRENCY CONSIDERED

1.4 LIMITATIONS

1.5 STAKEHOLDERS

1.6 RECESSION IMPACT

2 RESEARCH METHODOLOGY

2.1 RESEARCH APPROACH

FIGURE 2 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

FIGURE 3 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: RESEARCH APPROACH

2.1.2 SECONDARY DATA

2.1.2.1 List of major secondary sources

2.1.2.2 Key data from secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Primary interviews with experts

2.1.3.2 Key data from primary sources

2.1.3.3 Key industry insights

2.1.3.4 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to derive market size using bottom-up analysis

FIGURE 4 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to derive market size using top-down analysis

FIGURE 5 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

TABLE 1 ASSUMPTIONS

2.5 PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION ON LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET

2.6 RISK ASSESSMENT

3 EXECUTIVE SUMMARY

FIGURE 8 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, 2019–2028 (USD MILLION)

FIGURE 9 ABOVE 10,000 MAH SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

FIGURE 10 HIGH VOLTAGE SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

FIGURE 11 INDUSTRIAL SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 12 ASIA PACIFIC TO RECORD HIGHEST CAGR FROM 2023 TO 2028

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET

FIGURE 13 GROWING ADOPTION OF LTO BATTERIES IN AUTOMOTIVE AND POWER APPLICATIONS

4.2 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY

FIGURE 14 ABOVE 10,000 MAH SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

4.3 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION

FIGURE 15 POWER SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

4.4 NORTH AMERICAN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY AND COUNTRY

FIGURE 16 ABOVE 10,000 MAH SEGMENT AND US TO HOLD LARGEST SHARES

OF NORTH AMERICAN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET IN 2028

4.5 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY

FIGURE 17 CHINA TO REGISTER HIGHEST CAGR IN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET FROM 2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Growing demand for hybrid electric vehicles (HEVs) and plug-in hybrid electric vehicles (PHEVs)

FIGURE 19 GLOBAL PHEV SALES, 2018–2022 (THOUSAND UNITS)

5.2.1.2 Rising demand for renewable energy storage systems

FIGURE 20 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT ANALYSIS OF DRIVERS

5.2.2 RESTRAINTS

5.2.2.1 Higher cost compared with other lithium-ion battery chemistries

FIGURE 21 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT ANALYSIS OF RESTRAINTS

5.2.3 OPPORTUNITIES

5.2.3.1 Rising demand for battery-operated material-handling equipment

5.2.3.2 Increasing demand for LTO battery-based devices in medical sector

FIGURE 22 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT ANALYSIS OF OPPORTUNITIES

5.2.4 CHALLENGES

5.2.4.1 Availability of alternative lithium-ion chemistries

FIGURE 23 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT ANALYSIS OF CHALLENGES

5.3 VALUE CHAIN ANALYSIS

FIGURE 24 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: VALUE CHAIN ANALYSIS

5.4 ECOSYSTEM ANALYSIS

FIGURE 25 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: ECOSYSTEM ANALYSIS

TABLE 2 COMPANIES AND THEIR ROLE IN LITHIUM TITANATE OXIDE (LTO)

BATTERY ECOSYSTEM

5.5 PRICING ANALYSIS

5.5.1 AVERAGE SELLING PRICE (ASP) TREND OF LITHIUM-ION BATTERY PACKS AND CELLS

FIGURE 26 AVERAGE SELLING PRICE (ASP) TREND OF LITHIUM-ION BATTERY PACKS AND CELLS, 2013–2022

5.5.2 AVERAGE SELLING PRICE (ASP) OF LTO BATTERIES OFFERED BY THREE KEY PLAYERS

FIGURE 27 AVERAGE SELLING PRICE (ASP) OF LTO BATTERIES OFFERED BY THREE KEY PLAYERS

TABLE 3 AVERAGE SELLING PRICE (ASP) OF LTO BATTERIES OFFERED BY THREE KEY PLAYERS

5.5.3 AVERAGE SELLING PRICE (ASP) TREND, BY REGION

TABLE 4 AVERAGE SELLING PRICE (ASP) TREND, BY REGION

5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

FIGURE 28 REVENUE SHIFT AND NEW REVENUE POCKETS FOR PLAYERS IN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET

5.7 TECHNOLOGY ANALYSIS

5.7.1 LITHIUM-SILICON BATTERY

5.7.2 SOLID-STATE BATTERY

5.7.3 ZINC-MANGANESE BATTERY

5.7.4 LITHIUM-SULFUR BATTERY

5.7.5 SODIUM-SULFUR BATTERY

5.7.6 METAL-AIR BATTERY

5.7.7 LIQUID-METAL BATTERY

5.7.8 POTASSIUM METAL BATTERY

5.7.9 VANADIUM FLOW BATTERY

5.8 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 29 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: PORTER'S FIVE FORCES ANALYSIS

5.8.1 BARGAINING POWER OF SUPPLIERS

5.8.2 BARGAINING POWER OF BUYERS

5.8.3 THREAT OF NEW ENTRANTS

5.8.4 THREAT OF SUBSTITUTES

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 KEY STAKEHOLDERS AND BUYING CRITERIA

5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 30 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

5.9.2 BUYING CRITERIA

FIGURE 31 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 7 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

5.10 CASE STUDY ANALYSIS

5.10.1 AGP CORPORATION DEVELOPED BATTERY-POWERED GPU USING LTO BATTERY

5.10.2 MAEDA SEISAKUSHO USED SCIB LTO BATTERIES IN SPIDER CRANES AND MINI CRANES TO REDUCE NOISE LEVELS AND EXHAUST EMISSIONS

5.10.3 NICHICON CORPORATION OFFERED SLB SERIES LTO BATTERIES FOR S PENS TO FACILITATE FAST CHARGING RATE AND HIGH STABILITY

5.11 TRADE ANALYSIS

5.11.1 IMPORT SCENARIO

FIGURE 32 IMPORT DATA FOR LITHIUM CELLS AND BATTERIES, BY COUNTRY, 2018–2022 (USD MILLION)

5.11.2 EXPORT SCENARIO

FIGURE 33 EXPORT DATA FOR LITHIUM CELLS AND BATTERIES, BY COUNTRY, 2018–2022 (USD MILLION)

5.12 PATENT ANALYSIS

FIGURE 34 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST 10 YEARS

TABLE 8 TOP 20 PATENT OWNERS IN US IN LAST 10 YEARS

FIGURE 35 NUMBER OF PATENTS GRANTED PER YEAR, 2013–2022

TABLE 9 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: LIST OF PATENTS, 2021–2023

5.13 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 10 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: LIST OF CONFERENCES AND EVENTS

5.14 REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT

AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.15 STANDARDS

TABLE 15 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: STANDARDS

6 COMPONENTS OF LITHIUM TITANATE OXIDE (LTO) BATTERIES

6.1 INTRODUCTION

6.2 ELECTRODES

6.2.1 FACILITATE ELECTROCHEMICAL REACTIONS IN LTO BATTERIES

6.2.1.1 Cathode

6.2.1.2 Anode

6.3 ELECTROLYTES

6.3.1 MAINTAIN STABLE AND CONDUCTIVE ENVIRONMENT IN LTO BATTERIES

7 MATERIALS USED IN LITHIUM TITANATE OXIDE (LTO) BATTERIES

7.1 INTRODUCTION

7.2 LITHIUM TITANATE

7.2.1 OFFERS THERMAL STABILITY AND SAFETY DUE TO SPINEL STRUCTURE

7.3 GRAPHITE

7.3.1 USED AS PRIMARY ANODE MATERIAL IN CONVENTIONAL LI-ION BATTERIES

7.4 METAL OXIDES

7.4.1 OFFERS HIGH ENERGY DENSITY AND EXCELLENT PERFORMANCE

8 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY

8.1 INTRODUCTION

FIGURE 36 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY

FIGURE 37 ABOVE 10,000 MAH SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 16 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 17 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

8.2 BELOW 3,000 MAH

8.2.1 EXPANDING CONSUMER ELECTRONICS INDUSTRY

TABLE 18 BELOW 3,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 19 BELOW 3,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 20 BELOW 3,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 21 BELOW 3,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 3,001–10,000 MAH

8.3.1 RISING DEMAND FOR HYBRID ELECTRIC VEHICLES (HEVS)

TABLE 22 3,001–10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 23 3,001–10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 24 3,001–10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 25 3,001–10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

8.4 ABOVE 10,000 MAH

8.4.1 GROWING REQUIREMENT FOR HIGH-CAPACITY BATTERIES IN HIGH-POWER APPLICATIONS

TABLE 26 ABOVE 10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 27 ABOVE 10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 28 ABOVE 10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 29 ABOVE 10,000 MAH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

9 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE

9.1 INTRODUCTION

FIGURE 38 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE

FIGURE 39 HIGH VOLTAGE SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

TABLE 30 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2019–2022 (USD MILLION)

TABLE 31 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE,

2023–2028 (USD MILLION)

9.2 LOW

9.2.1 GROWING ADOPTION OF LTO BATTERIES IN CONSUMER ELECTRONICS INDUSTRY

TABLE 32 LOW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 33 LOW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 MEDIUM

9.3.1 RISING USE OF LTO BATTERIES IN VARIOUS APPLICATIONS ATTRIBUTED TO LONG OPERATIONAL LIFE

TABLE 34 MEDIUM: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 35 MEDIUM: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 HIGH

9.4.1 SUPERIOR PERFORMANCE OVER TRADITIONAL BATTERIES

TABLE 36 HIGH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 37 HIGH: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION

10.1 INTRODUCTION

FIGURE 40 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION

FIGURE 41 POWER SEGMENT TO HOLD LARGEST MARKET SHARE IN 2028

TABLE 38 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 39 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

10.2 CONSUMER ELECTRONICS

10.2.1 GROWING DEMAND FOR LTO BATTERIES OWING TO HIGH ENERGY DENSITY AND LONG LIFE

TABLE 40 CONSUMER ELECTRONICS: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 41 CONSUMER ELECTRONICS: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 42 CONSUMER ELECTRONICS: LITHIUM TITANATE OXIDE (LTO) BATTERY

MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 43 CONSUMER ELECTRONICS: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.3 AUTOMOTIVE

10.3.1 INCREASING GLOBAL ADOPTION OF HYBRID ELECTRIC VEHICLES (HEVS) AND PLUG-IN HYBRID ELECTRIC VEHICLES (PHEVS)

10.3.1.1 Hybrid electric vehicles (HEVs)

10.3.1.2 Plug-in hybrid electric vehicles (PHEVs)

TABLE 44 AUTOMOTIVE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 45 AUTOMOTIVE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 46 AUTOMOTIVE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 47 AUTOMOTIVE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.4 AEROSPACE

10.4.1 GROWING NEED FOR HIGH-POWER AND SAFE BATTERIES

TABLE 48 AEROSPACE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 49 AEROSPACE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 50 AEROSPACE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 51 AEROSPACE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.5 MARINE

10.5.1 RISING DEMAND ATTRIBUTED TO FAST CHARGING AND DURABILITY FEATURES

TABLE 52 MARINE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 53 MARINE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 54 MARINE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 55 MARINE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.6 MEDICAL

10.6.1 GROWING NEED FOR RELIABLE AND SAFE BATTERIES IN MEDICAL

DEVICES

TABLE 56 MEDICAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 57 MEDICAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 58 MEDICAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 59 MEDICAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.7 INDUSTRIAL

10.7.1 INCREASING USE OF ELECTRIC MATERIAL HANDLING EQUIPMENT

TABLE 60 INDUSTRIAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 61 INDUSTRIAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 62 INDUSTRIAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 63 INDUSTRIAL: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.8 POWER

10.8.1 GROWING DEPLOYMENT OF RENEWABLE ENERGY STORAGE SYSTEMS

TABLE 64 POWER: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 65 POWER: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 66 POWER: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 67 POWER: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

10.9 TELECOMMUNICATION

10.9.1 LONG LIFE, FAST CHARGING, AND REDUCED CARBON EMISSIONS

TABLE 68 TELECOMMUNICATION: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 69 TELECOMMUNICATION: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 70 TELECOMMUNICATION: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 71 TELECOMMUNICATION: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

11 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 42 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION

FIGURE 43 CHINA TO BE FASTEST-GROWING LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET DURING FORECAST PERIOD

TABLE 72 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 73 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

11.2 NORTH AMERICA

11.2.1 NORTH AMERICA LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: RECESSION IMPACT

FIGURE 44 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET SNAPSHOT

FIGURE 45 US TO ACCOUNT FOR LARGEST SHARE OF NORTH AMERICAN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET IN 2028

TABLE 74 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 75 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 76 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 77 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 78 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2019–2022 (USD MILLION)

TABLE 79 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

TABLE 80 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 81 NORTH AMERICA: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.2.2 US

11.2.2.1 Presence of favorable policies and rising government-led investments in battery industry

11.2.3 CANADA

11.2.3.1 Growing adoption of low and zero-emission vehicles

11.2.4 MEXICO

11.2.4.1 Rising investments in lithium-ion battery manufacturing

11.3 EUROPE

11.3.1 EUROPE LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT OF RECESSION

FIGURE 46 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET SNAPSHOT

FIGURE 47 GERMANY TO REGISTER HIGHEST CAGR IN EUROPEAN LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET DURING FORECAST PERIOD

TABLE 82 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 83 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 84 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 85 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 86 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2019–2022 (USD MILLION)

TABLE 87 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

TABLE 88 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 89 EUROPE: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.3.2 GERMANY

11.3.2.1 Booming healthcare and automotive sectors

11.3.3 UK

11.3.3.1 Increasing use of HEVs and PHEVs

11.3.4 FRANCE

11.3.4.1 Rising investments in battery manufacturing

11.3.5 REST OF EUROPE

11.4 ASIA PACIFIC

11.4.1 ASIA PACIFIC LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT OF RECESSION

FIGURE 48 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET SNAPSHOT

FIGURE 49 CHINA TO ACCOUNT FOR LARGEST SHARE OF ASIA PACIFIC LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET IN 2028

TABLE 90 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 91 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 92 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 93 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 94 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2019–2022 (USD MILLION)

TABLE 95 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

TABLE 96 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 97 ASIA PACIFIC: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.4.2 CHINA

11.4.2.1 Presence of abundant titanium reserves

11.4.3 JAPAN

11.4.3.1 Healthy growth of automotive sector

11.4.4 INDIA

11.4.4.1 Discovery of lithium reserves

11.4.5 SOUTH KOREA

11.4.5.1 Government-led support to promote green initiatives

11.4.6 REST OF ASIA PACIFIC

11.5 ROW

11.5.1 ROW LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: IMPACT OF RECESSION

FIGURE 50 MIDDLE EAST & AFRICA TO REGISTER HIGHER CAGR IN ROW LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET DURING FORECAST PERIOD

TABLE 98 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 99 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 100 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2019–2022 (USD MILLION)

TABLE 101 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY CAPACITY, 2023–2028 (USD MILLION)

TABLE 102 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY

VOLTAGE, 2019–2022 (USD MILLION)

TABLE 103 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

TABLE 104 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 105 ROW: LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.5.2 MIDDLE EAST & AFRICA

11.5.2.1 Increasing government-led focus on reducing carbon emissions

11.5.3 SOUTH AMERICA

11.5.3.1 Growing demand for consumer electronics and medical devices

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 KEY STRATEGIES ADOPTED BY MAJOR PLAYERS

TABLE 106 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS

12.3 REVENUE ANALYSIS, 2018–2022

FIGURE 51 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: REVENUE ANALYSIS OF FOUR KEY PLAYERS, 2018–2022

12.4 MARKET SHARE ANALYSIS, 2022

TABLE 107 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET SHARE ANALYSIS, 2022

FIGURE 52 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET SHARE ANALYSIS OF KEY PLAYERS, 2022

12.5 EVALUATION MATRIX OF KEY COMPANIES, 2022

12.5.1 STARS

12.5.2 EMERGING LEADERS

12.5.3 PERVASIVE PLAYERS

12.5.4 PARTICIPANTS

FIGURE 53 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: EVALUATION MATRIX OF KEY COMPANIES, 2022

12.5.5 COMPANY FOOTPRINT

TABLE 108 COMPANY FOOTPRINT

TABLE 109 APPLICATION: COMPANY FOOTPRINT

TABLE 110 REGION: COMPANY FOOTPRINT

12.6 EVALUATION MATRIX OF STARTUPS/ SMALL AND MEDIUM-SIZED ENTERPRISES (SMES), 2022

12.6.1 PROGRESSIVE COMPANIES

12.6.2 RESPONSIVE COMPANIES

12.6.3 DYNAMIC COMPANIES

12.6.4 STARTING BLOCKS

FIGURE 54 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: EVALUATION MATRIX OF STARTUPS/SMES, 2022

12.6.5 COMPETITIVE BENCHMARKING OF STARTUPS/SMES

TABLE 111 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: LIST OF KEY STARTUPS/SMES

TABLE 112 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

12.7 COMPETITIVE SCENARIOS AND TRENDS

12.7.1 PRODUCT LAUNCHES

TABLE 113 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: PRODUCT LAUNCHES, 2020–2023

12.7.2 DEALS

TABLE 114 LITHIUM TITANATE OXIDE (LTO) BATTERY MARKET: DEALS, 2020–2023

13 COMPANY PROFILES

13.1 KEY PLAYERS

(Business Overview, Products offered, Recent Developments, MnM View)*

13.1.1 TOSHIBA CORPORATION

TABLE 115 TOSHIBA CORPORATION: COMPANY OVERVIEW

FIGURE 55 TOSHIBA CORPORATION: COMPANY SNAPSHOT

TABLE 116 TOSHIBA CORPORATION: PRODUCTS OFFERED

TABLE 117 TOSHIBA CORPORATION: PRODUCT LAUNCHES

13.1.2 MICROVAST HOLDINGS, INC.

TABLE 118 MICROVAST HOLDINGS, INC.: COMPANY OVERVIEW

FIGURE 56 MICROVAST HOLDINGS, INC.: COMPANY SNAPSHOT

TABLE 119 MICROVAST HOLDINGS, INC.: PRODUCTS OFFERED

TABLE 120 MICROVAST HOLDINGS, INC.: DEALS

13.1.3 NICHICON CORPORATION

TABLE 121 NICHICON CORPORATION: COMPANY OVERVIEW

FIGURE 57 NICHICON CORPORATION: COMPANY SNAPSHOT

TABLE 122 NICHICON CORPORATION: PRODUCTS OFFERED

TABLE 123 NICHICON CORPORATION: PRODUCT LAUNCHES

13.1.4 LECLANCH? SA

TABLE 124 LECLANCH? SA: COMPANY OVERVIEW

FIGURE 58 LECLANCH? SA: COMPANY SNAPSHOT

TABLE 125 LECLANCH? SA: PRODUCTS OFFERED

TABLE 126 LECLANCH? SA: PRODUCT LAUNCHES

13.1.5 CLARIOS

TABLE 127 CLARIOS: COMPANY OVERVIEW

FIGURE 59 CLARIOS: COMPANY SNAPSHOT

TABLE 128 CLARIOS: PRODUCTS OFFERED

TABLE 129 CLARIOS: DEALS

13.1.6 GREE ALTAIRNANO NEW ENERGY INC.

TABLE 130 GREE ALTAIRNANO NEW ENERGY INC.: COMPANY OVERVIEW

TABLE 131 GREE ALTAIRNANO NEW ENERGY INC.: PRODUCTS OFFERED

TABLE 132 GREE ALTAIRNANO NEW ENERGY INC.: DEALS

13.1.7 HUNAN HUAHUI NEW ENERGY CO., LTD.

TABLE 133 HUNAN HUAHUI NEW ENERGY CO., LTD.: COMPANY OVERVIEW

TABLE 134 HUNAN HUAHUI NEW ENERGY CO., LTD.: PRODUCTS OFFERED

13.1.8 PADRE ELECTRONICS CO., LIMITED

TABLE 135 PADRE ELECTRONICS CO., LIMITED: COMPANY OVERVIEW

TABLE 136 PADRE ELECTRONICS CO., LIMITED: PRODUCTS OFFERED

*Details on Business Overview, Products offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

13.2 OTHER PLAYERS

13.2.1 AA PORTABLE POWER CORP.

13.2.2 AOT BATTERY TECHNOLOGY CO., LTD.

13.2.3 ELB ENERGY GROUP

13.2.4 GRINERGY

13.2.5 LITECH POWER CO., LTD.

13.2.6 LOG9 MATERIALS

13.2.7 LTO BATTERY CO., LTD.

13.2.8 NEI CORPORATION

13.2.9 OSN POWER ENERGY LIMITED

13.2.10 SHENZHEN SIQI NEW ENERGY COMPANY LIMITED

13.2.11 TARGRAY TECHNOLOGY INTERNATIONAL INC.

13.2.12 ZENAJI PTY LTD.

14 ADJACENT AND RELATED MARKETS

14.1 INTRODUCTION

14.2 MICRO BATTERY MARKET, BY REGION

14.2.1 INTRODUCTION

TABLE 137 MICRO BATTERY MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 138 MICRO BATTERY MARKET, BY REGION, 2023–2028 (USD MILLION)

14.2.2 NORTH AMERICA

TABLE 139 NORTH AMERICA: MICRO BATTERY MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 140 NORTH AMERICA: MICRO BATTERY MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

14.2.2.1 US

14.2.2.1.1 Rising demand for smart packaging

14.2.2.2 Canada

14.2.2.2.1 Growing adoption of IoT technology in medical sector

14.2.2.3 Mexico

14.2.2.3.1 Expanding consumer electronics market

15 APPENDIX

15.1 INSIGHTS FROM INDUSTRY EXPERTS

15.2 DISCUSSION GUIDE

15.3 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

15.4 CUSTOMIZATION OPTIONS

15.5 RELATED REPORTS

15.6 AUTHOR DETAILS

I would like to order

Product name: Lithium Titanate Oxide (LTO) Battery Market by Capacity (Below 3,000 mAh, 3,001–10,000 mAh, Above 10,000 mAh), Voltage, Application (Consumer Electronics, Automotive), Component (Electrodes, Electrolytes), Material and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/L2417844988DEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/L2417844988DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970