Concurrent Event:

Aluminium China 2019

600 Exhibitors

45,000 sqm Exhibition Area

24,789 Local and International Trade Visitors

* Source: Lightweight Asia 2018 post-show statistics
Why Choose Us?

**An Exhibition Devoted to Lightweight Automotive Solutions**
Lightweight Asia focuses on lightweight automotive solutions, as well as core development trends which concern the automotive industry, such as advanced lightweight materials, processing technologies, structural optimization, energy conservation and emissions reduction, etc.

**One-Stop Purchasing Platform for Lightweight Automotive Solutions**
Lightweight Asia (LWA) features local and international lightweight automotive finished products, auxiliaries, high-performance materials, processing technologies and solutions along the entire industry chain. Meanwhile, design, R&D, technology and purchasing personnel from application enterprises are brought together by the event each year. These make LWA the ideal platform for showcasing lightweight automotive achievements, conducting exchange on innovative applications and technologies, connecting exhibitors with high-quality buyers and understanding first-hand industry needs.

**Extensive Number of Automobile Buyers to be Shared Across Concurrent Events – Aluminium China and Commercial Logistics Vehicle Innovation Forum**
High-quality automobile buyers, cultivated over the past 15 years by Aluminium China, will be shared with Lightweight Asia. Over 1,000 local and international TAP buyers with clear decision-making authority will attend the 2019 show. This year, the “Commercial Logistics Vehicle Innovation Forum” will be launched which will attract more than 500 industry professionals and trade visitors to attend.

**Asia Automotive Lightweight Summit**
Focusing on automotive lightweighting, industry experts will discuss about lightweight materials, processing technologies, peripheral equipment and other technical topics from the perspective of metal, non-metal, commercial logistics vehicles and new energy vehicles.

* Note: Data as of December 2018

Market Focus

**Commercial Vehicles**

- **Energy Conservation and Emissions Reduction Policies Drive Development of Commercial Vehicle Lightweighting**
  - Since January 1st, 2017, all light gasoline vehicles and heavy diesel vehicles (passenger vehicles, buses, vehicles for sanitation and postal purposes) that were manufactured, imported, sold and registered in China have to meet the National Phase V Emission Standard. As of January 1st, 2018, all light diesel vehicles manufactured, imported, sold and registered in China must meet the National Phase V Emission Standard.
  - From January to April 2018, 1.45 million commercial vehicles were produced, up 6.4% year-on-year.

- **Transformation and Upgrade of Logistics Industry Goes Hand-in-Hand with Commercial Vehicle Development**
  - In August 2015, the National Development and Reform Commission (NDRC) issued the Notice on Accelerating the Implementation of Major Logistics Projects, which represented the beginning of establishing a convenient, efficient, green and safe logistics system in China.
  - The General Office of the State Council forwarded NDRC’s Special Action Plan for Lowering Costs and Increasing Efficiency in Logistics Industry (2016 – 2018) and has made arrangements to cut the cost of corporate logistics and improve social logistics efficiency. This will vigorously promote transformation, upgrade and innovation development of the logistics industry.
  - Experts point out that only thorough integration can a win-win situation be achieved between the logistics and commercial vehicle industries.

**Passenger Vehicles**

- **High Correlation Between Vehicle Emissions Reduction and Vehicle Lightweighting**
  - In 2012, the State Council issued a plan stipulating that by 2020, the average fuel consumption of newly manufactured automobiles must not exceed 5L per 100km.
  - While ensuring an efficient and safe performance of the car, the curb weight of automobiles should be reduced as much as possible, so as to improve power performance, reduce fuel consumption and exhaust emissions. Where vehicles’ curb weight is reduced by 100kg, fuel consumption per 100km falls by 0.3 – 0.6L. Where an automobile’s curb weight falls by single percentage point, the fuel consumption is cut by 0.7%. The emissions reduction effect is obvious.

- **Major Trend: Rising Popularity of New Energy Vehicles**
  - In 2016, the Technology Roadmap for Energy-Saving and New Energy Vehicles highlighted lightweighting as an effective way to cut the amount of fuel traditional automobiles consume and also improve the cruising range of new energy vehicles. It is a key strategic choice for the global automotive industry, and a necessary step in boosting the global competitiveness of China’s automotive products and building a robust local automotive industry.
  - In April 6th, 2017, the Ministry of Industry & Information Technology (MIIT), the National Development & Reform Commission and the Ministry of Science & Technology jointly published the Medium and Long-term Development Plan for the Automotive Industry. According to the plan, annual production and sales of new energy vehicles will reach 2 million by 2020. By 2025, new energy vehicles will account for over 20% (about 7 million) of automobile production and sales, and the energy of power battery systems will reach 350 watt-hours per kg.
  - From January to March 2018, the total production of new energy vehicles was 149,998 – up 156.9% year-on-year. The total volume of units sold was 142,577 – up 154.3% year-on-year.

* Source: Data from the Internet
Asia Automotive Lightweight Summit

Focusing on automotive lightweighting, industry experts will discuss about lightweight materials, processing technologies, peripheral equipment and other technical topics from the perspective of metal, non-metal, commercial logistics vehicles and new energy vehicles.

Themed Forums in 2018

- Sub-Forum: Application of Metallic Materials and Manufacturing Processes in the New Energy Lightweight Vehicles
- Sub-Forum: Application of Non-Metallic Materials and Key Components in Lightweight Vehicles
- Sub-Forum: China Logistics Commercial Vehicle Lightweight Salon – For a Lighter and Brighter Future

Three Themed Display Areas for 2019

- **Automotive Nonmetal Material Area**
  By product display together with interaction and communication, this area will give visitors comprehensive insights into the development status and trends of the lightweight automotive industry. Non-metallic materials, processing technologies and related equipment will all be explored, which will help to promote the application and development of non-metallic materials in automotive lightweighting.

- **Automotive Metal Material Area**
  Starting from the metal field, the area will feature technological breakthroughs on metal materials, processing technologies and related equipment from well-known local and international companies, which will, in turn, highlight lightweight development trends and solutions for automotive end-users.

- **Lightweight Innovation Arena**
  The arena will showcase prospective applications and future development trends of top locally and internationally manufactured semi-finished and finished products in terms of different lightweight materials, structural design, and manufacturing processes.

TAP Buyers: Closely Matched, Highly Efficient Matchmaking

TAP (Targeted Attendee Program) buyers are senior corporate executives or high-level professionals from the lightweight automotive application industry who attend Lightweight Asia with a clear purchasing intent or a pre-defined procurement plan. The organizers of LWA have designed the TAP Buyer Club to facilitate interaction among senior executives of Asian lightweight automotive enterprises.

In 2018, 638 TAP buyers from the automotive industry attend the show and utilized the business match-making to satisfy their purchasing needs. A total of 327 matchmaking meetings were completed, including 157 domestic meetings and 170 international meetings.

Supporters

*Note: Some of the TAP buyers from the automotive industry*
Exhibitors Scope

**Raw materials**
- Aluminum, Magnesium, Titanium alloy
- Steel
- Engineering plastics
- Composite materials
- Other

**Lightweight Solutions Relevant Enterprises and Design Companies**
- Relevant Enterprises
- Lightweight solutions
- Processing technology and equipment
- Commercial parts
- Commercial Main Locomotive Factory

**Novelis**
- Novelis (China) Aluminum Products Co., Ltd.
- Managing Director of China

**Lightweight Asia**
- Lightweight Asia is a great communication platform that helps more of our clients to get a closer look at Novelis’s advanced technology and excellent products. It will help to drive the development of China’s automobile lightweight industry.

**Lightweight Solutions**
- Lightweight solutions-related enterprises
- Lightweight processing and connection technology
- Surface treatment
- Stamping, Rolling, Hydraulic
- Metal cutting
- Forging
- Injection molding
- Moulded
- Other

**Auto parts**
- Commercial Vehicle parts
  - Headstock
  - Body
  - Chassis
  - Tire, Wheel hub
  - Engine
  - Inside and outside decoration
  - Other parts
- Passenger Cars parts
  - Body
  - Chassis
  - Tire, Wheel hub
  - Engine
  - Inside and outside decoration
  - Other parts
- Other

**Commercial Main Locomotive Factory**
- Headstock
- Body
- Chassis
- Wheel, Head stock
- Engine
- Inside and outside decoration
- Other parts

**Scope of Visitors**
- Automotive and Parts Suppliers in Automotive Industry
  - Lightweight passenger vehicles
  - Lightweight commercial vehicles, buses, trucks, vans, tanks, lifting vehicles, specially-constructed vehicles and semi-trailers
  - New energy buses
  - Lightweight automotive parts
  - New energy electric vehicles

**Visit Breakdown by Sector**
- Automotive Industry
  - Car manufacturing
  - Auto and Parts Suppliers in Overseas-Related Enterprises
  - Semi-finished and finished products of high-strength steel
  - Semi-finished and finished products of Al, Mg and Ti alloys
  - Lightweight automotive parts
  - Lightweight solutions-related enterprises
  - Semi-finished and finished products of engineering plastics

**Visit Breakdown by Decision-Making Roles**
- Final decision
  - Final decision
  - Procurement
  - Specifier
  - Other
  - Source: Lightweight Asia 2018 Post-show statistics

**Five Categories of Products of Interest to Visitors**
- Lightweight automotive parts
- Semi-finished and finished products of Al, Mg and Ti alloys
- Lightweight solutions-related enterprises
- Semi-finished and finished products of engineering plastics
- Lightweight automotive parts

**Visitor Satisfaction Ratings**
- Trade visitors who were completely or very satisfied
- Trade visitors who will definitely or likely attend again

* Source: Lightweight Asia 2018 Post-show statistics
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