



2017 BROAD TOP 10 NEWS

1. THE INVENTION OF THE CORE TUBULAR STAINLESS STEEL SLAB, MARKING MANKIND'S "ULTIMATE STRUCTURAL MATERIAL" Apr.

Through 568 days' tests and failure by 1000+ employees, BROAD Group finally succeeded in producing the first CTS slab in the early morning of April 30, 2017. This development will reduce weight in applications from construction and roads to vehicles and aircraft, while extending product life-expectancy by a hundredfold. In future technologies, the virtual world has the microchip, and the physical world has the CTS slab.

2. DEVELOPMENT OF VACTRAIN, EXPECTING TO RESTRUCTURE WORLD SPACE PORTFOLIO Dec.

In 1909, Robert Goddard from America came up with an idea that magnetic train can travel at the speed of 6,400-8,000 km/h in vacuum condition. BROAD builds the vacuum tube with CTS slab to realize a great properties of negative pressure resistance and double-stage vacuum seal. Together with BROAD 26-year vacuum experience in non-electric A/C in 80+ countries, and cooperation with specialized maglev institute, Robert's dream is going to come true.

3. BSB WAS AWARDED THE FIRST NATIONAL PREFABRICATED BUILDING INDUSTRIAL BASE Aug.

BROAD factory-made Sustainable Building (refers to prefabricated buildings in construction industry) was established in 2009, and shocked the world with dozens of applications which are constructed 3 floors/day. BSB adopts super thermal insulation and fresh air heat recovery, etc. to realize 5 times more energy efficient, and 100 times cleaner in air quality, which drives the construction transformation.

4. THE FIRST BROAD NON-ELECTRIC AIR CONDITIONING HAS BEEN RUNNING FOR 24 YEARS, WITH PERFORMANCE AS STABLE AS THE FIRST DAY Sep.

In June, 1992 the general manager of Hunan Friendship Shop purchased two non-electric air conditioners from BROAD chairman. These two air conditioners has been guaranteeing the summer cooling and winter heating of the 60,000 m² building at Friendship Shop for 24 years. In 2017, Hefei General Machinery & Electrical Products Inspection Institute (the national refrigeration industry's highest inspection agency) carried out a comprehensive performance test of the two units. The test report shows that the unit are in stable operation, with the cooling capacity reaching over 96% of the rated value.

5. THE LARGEST NON-ELECTRIC HEAT PUMP IN CHINA: CONTRIBUTES BROAD'S WISDOM TO "BEIJING BLUE" Sep.

Beijing Daxing Kangzhuang heating plant, China's largest single-unit heating project, uses two units of 5.8MW direct fired heat pumps (BDZ1000-R1) to recycle waste heat from exhaust gas of 4 units of 70MW gas boilers, saving 3.37 million m³ natural gas, reducing 6,700 tons of CO₂ and 4,000 tons of water vapor emission, equivalent to planting 370,000 trees a year.

6. THE MOST FAMOUS HOTEL IN CARIBBEAN HAS CHOSEN BROAD NON-ELECTRIC A/C FOR A THIRD CONSECUTIVE TIME Dec.

With more than 130 years of history, the Crane Resort is the first resort hotel in Caribbean and reputed for its world-class service. This resort has chosen BROAD non-electric air conditioners for three consecutive phases, providing multi-function high energy efficiency, enhanced comfort and zero-fault operation.

7. TOP ONE CLEAN FRESH AIR MACHINE ON THE AUTHORITATIVE EVALUATION LIST Dec.

The annual fresh air lateral evaluation issued by China Academy of Building Research states that BROAD Clean Fresh Air Machine ranks the top for its filter efficiency, dust holding, heat recovery efficiency, air volume, etc. Being evaluated as the best in technology and performance, BROAD Clean Fresh Air Machine filters PM2.5 by 99.9%, easily makes indoor air 100 times cleaner than outside, and gains recognition among consumers, BROAD has been crowned top sales in indoor fresh air system category on Tmall on Double 11 and Double 12 shopping day.

8. BE ENTRUSTED WITH NATIONAL AIR QUALITY SCIENCE AND TECHNOLOGY PROJECT AGAIN May

After the 12th five-year R&D project, BROAD Clean Air Technology Co. Ltd has been entrusted with national 13th five-year project on *KEY PRODUCT DEVELOPMENT OF INDOOR AIR QUALITY CONTROL*, supported by science and technology. We are providing technical and product support for the architectural design and green operation, which will completely change the indoor pollution status quo.

9. BROAD RECYCLING OIL WAS DESIGNATED AS THE ONLY COMPANY TO UTILIZE WASTE OIL FROM STATE ENTERPRISES AND FOREIGN COMPANIES IN HUNAN PROVINCE May

BROAD RECYCLING OIL CO. LTD was evaluated by Environmental Protection Agency as the demonstration enterprise of hazardous waste management, with the highest qualification for trans-provincial transfer comprehensive utilization, the only qualification in Hunan for oil-sludge utilization operation and hazardous waste HW09 & 49 utilization. Meanwhile, it was designated as the only company to comprehensively utilize waste oil from state enterprises and foreign companies in Hunan Province.

10. LONG-TERM BENEFIT PROVIDES MORE SECURITY FOR STAFF Jun.

To enhance employees' well-being, BROAD founded the Long-term Benefit System. Each year, 80% of employees will be awarded a long-term benefit equivalent of 30% of current annual salary, which will be cashed after 5 years.