Constellium launches Aeral™ for Aerosol can products

For Constellium, aluminium is more than a metal. Over the decades, they have built upon their expertise in the light metal technology and come up with innovations that have set benchmarks for the industry at large. One such innovation is Constellium's Aeral™ solution for the production of aluminium aerosol containers. The technology allows manufacturers to the right high-performing yet light solution for their aerosol can production.

Constellium has now launched a video on Aeral™ to define the novel aluminium solution for the next-gen aerosols. Constellium created Aeral™ through a combination of high-end research at C-TEC and strong engineering capabilities at their rolling mill in Neuf-Brisach, Germany, where a wide range of light-weighting products, including aluminium beverage cans has been produced till date.

Aeral™ enables aerosol containers to be produced with the Draw & Iron technology. The combination of Constellium's metal expertise and this technology significantly reduces the weight of the aerosol cans by up to 30 per cent vis-a-vis the traditional impact extruded cans. Besides, the entire process lowers the carbon footprint of the aerosol cans without compromising on the performance in terms of ductility and resistance to pressure.

IITBBS develops Novel Technology to convert Bauxite waste into Concrete

The Indian Institute of Technology, Bhubaneswar (IITBBS) in one of its research verticals- Waste to Construction Material has developed a novel technology by which red mud, the hazardous waste of alumina refining from bauxite is converted to concrete. Henceforth, environment of the areas adjacent to a bauxite processing plant will not be affected due to the waste, expect researchers.

The concrete developed has already been tested under different conditions and scientists found it suitable for use in all types of construction.

Currently, a two-member team from IITBBS is working on further development of the technology to make it more robust and economically feasible, updated IITBBS Director RV Raja Kumar. The team is also looking at making the concrete, which is right now in the marketing stage an alternative for cement and trying to position it accordingly, he said.

Prof. Kumar said the institute would soon apply for a patent for the novel bauxite waste management technology. He was addressing the media on the occasion of the institute's fifth annual convocation.

IITBBS being a premiere research institute of the country has taken up a mission of reversing the unfortunate process of brain drain by promoting its infrastructure in other parts of the world, especially, in the USA and the United Kingdom. Concerted efforts are being made at all fronts to improve research facilities at the campus to match global standards, Prof. Kumar said.

Other environmentally relevant issues that the institute has responded to recently and is currently working on solutions for addressing the same include checking of erosion at Puri coast, groundwater replenishment, and exploration and commercialisation of rare earth materials at Ganjam coast.

Chalco held ceremony for Aluminium processing plant in Fujian

Aluminum Corporation of China Limited (Chalco) held ground-breaking ceremony for its large aluminium processing plant in Fujian province in southeast China on September 1.

The large-scale aluminium precision processing project having a planned capacity of 800,000 tonnes per annum has been built at a total investment of 10 billion yuan. The construction of the first phase of the project is scheduled for completion in 2018.

The aluminium precision project is mainly targeted at the transportation, sustainable packaging, electronic devices, and high-end printing sectors that are steadily growing across China all over the world.