

## WHERE DO ALL THE CARS END UP?

There are many types of secondary resources that we have to treat to realise a "circular economy". Here, Professor Markus Reuter will focus on the car, the complex "minerals on wheels", as a concrete example to visualise the important ingredients of a circular economy.

Have you heard of the term ASR? It is the Automotive Shredder Residue. It is a rather challenging secondary resource to treat, a secondary resource after shredding and separating a car....

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## IRON ORE PELLETIZING TECHNOLOGY FOR IRAN

The new 5 million tonnes per annum pellet plant is part of B-MISCO's greenfield investment program. Outotec's scope covers the technology license, basic engineering of the pelletizing plant, detailed engineering and supply of proprietary and key equipment and automation, as well as advisory site services for installation, commissioning and start-up. The new plant is expected to become operational in 2018.

More information is [available here...](#) ■

## MODULAR SOLVENT EXTRACTION TECHNOLOGY TO SOUTH AMERICA

The customer is making changes to their heap leaching operation to enhance the copper recovery from secondary sulfide minerals. These changes in the leaching phase require an upgrade in the downstream solvent extraction plant washing capacity. Outotec's solution comprises the breakthrough VSF@X Modular Solvent Extraction technology, including technology license, engineering, proprietary and auxiliary equipment and advisory services for installation, commissioning and start-up. Deliveries from Outotec will take place in 2015.

More information is [available here...](#) ■

## TECHNOLOGY AND SERVICES FOR ZINC PLANT EXPANSION IN MEXICO

Outotec's scope of delivery covers the technology, engineering and license for atmospheric direct leaching of zinc concentrates and downstream process areas. In addition, Outotec will deliver proprietary and auxiliary equipment for the OKTOP® reactor plant, as well as advisory services for installation, commissioning and ramp-up. The process is flexible, yields high metal recovery with low energy consumption and emissions, and provides operational safety. Deliveries will take place between 2015 and 2017.

More information is [available here...](#) ■

## OUTOTEC TO DELIVER ANODE RODSHOP TECHNOLOGY TO CHINA XINFA GROUP'S ALUMINUM SMELTER IN CHINA

Outotec's delivery includes process engineering and proprietary process equipment as well as services for the commissioning and operational support for a new anode rodding shop, which is part of the new aluminum smelter. The new smelter is expected to produce annually one million tonnes aluminum. The deliveries will take place in 2016 and include both local and offshore equipment supply.

More information is [available here...](#) ■

## ZINC CONCENTRATE DIRECT LEACHING TECHNOLOGY TO BOLIDEN IN NORWAY

Outotec's solution comprises the direct leaching technology, basic and detailed engineering and delivery of proprietary OKTOP® reactor plant units for leaching and iron precipitation as well as filters and anode handling machines. In addition, Outotec provides extensive services starting from engineering to installation, commissioning and start-up. The deliveries will take place during 2015 and 2016.

More information is [available here...](#) ■

## TECHNOLOGY AND SERVICES FOR A WASTE-TO-ENERGY PLANT IN THE UK

Outotec's scope of delivery covers the engineering and delivery of the main process equipment for a 12.5 MWe waste-to-energy plant based on fluidized bed technology. The plant will use refuse derived fuel (RDF), mainly consisting of recycled plastics and sorted waste as raw materials. Once fully operational in mid-2017, the plant is designed to export over 75 GWh of electricity and 30 GWh heat per year that is equivalent to the electricity needs of nearly 18,000 homes. The project is also expected to divert over 1.4 million tonnes of waste from landfill.

More information is [available here...](#) ■

## TECHNOLOGY TO ALUMINUM SMELTER IN THE UNITED ARAB EMIRATES

Outotec will provide the technology, engineering, supply and installation of equipment and systems for the expansion of EMAL's existing green anode plant. After the expansion, scheduled to be commissioned in mid-2016, the plant will be capable of producing considerably larger anodes, which are required for EMAL's ongoing efforts to increase the amperage and thus the output of the electrolysis.

More information is [available here...](#) ■