**CIRCULAR ECONOMY. A FULL SCALE INDUSTRIAL CASE STUDY USING AN ALUMINIUM INDUSTRY HAZARDOUS WASTE AS RAW MATERIAL):**

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**SUMMARY**

Circular economies are of growing interest to both the private sector and policy-makers around the globe as both a way to minimize negative impacts on the environment while growing new revenue streams, reducing costs of operation, and increasing competitiveness.

The concept of the “circular economy” goes beyond traditional waste management and material / resource efficiency to look at a transition away from a linear model to encompass a system-wide perspective that is focused on closing resource and material loops, minimizing the input of new, raw materials, and adopting renewable energy as a fundamental source for powering the economy and all of its processes.

European Union has recognized the need to switch to the circular economy which will ensure protection of the environment, but could also increase the efficiency and the value of products to reach the desired goals of sustainable industry and circular economy. But, how can such complex issues be simplified for the general public which is, in the cycle of circular economy, situated at the end and/or the beginning of the process. Very important segment of the circular economy in countries, like Greek Republic, is how a hazardous waste can become important part of circular chain.

This paper presents a proven successful circular economy case study where a hazardous waste of several industrial manufacturing installations across the country is used as a raw material of an Industrial Installation in Volos-Thessaly, in order to produce a useful product.

ΘΕΜΑΤΟΛΟΓΙΑ-🡪 ΚΥΚΛΙΚΗ ΟΙΚΟΝΟΜΙΑ

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