

## عنوان مقاله:

Roadmap of Iranian Aluminum Industries Development, Considering New Energy Cost Situation

## محل انتشار:

دومین کنفرانس بین المللی آلومینیوم (سال: 1391)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Ali Akbar Mottahedi - *Industrial Metallurgy and New Processing group Department of Advanced Materials and  
(Renewal Energies Iranian Research Organization for Science and Technology (IROST*

,Mahdi Mottahedi - *Mechanical Department, ISW, Stuttgart University, Stuttgart, Germany*

## خلاصه مقاله:

This article is surveying the condition of Aluminum industry, technology and economy for the new condition in Iran. It analyzes the situation with respect to the production in the region and the world. It also investigates the effects of subsidization elimination on strategies of Aluminum development, and shows a proper road map to Aluminum producer industries in the new circumstance. Electricity consumption of production one kilogram Aluminum is about 14 KWh. So Aluminum production is one effective method to saving and condensing energy. This is a reason for Iran and other Persian Gulf countries, whose oil and gas is excessive for export, to think about converting their raw oil to Aluminum primary products. For this reason the strategy of Iranian Aluminum industry had developed to producing about 1.5 million tons primary Aluminum. Iran had a subsidized economy for about 30 years. The subsidization was considered for some common consumable products, especially for energy, electricity and even some capital investments. The subsidize capacity for energy was almost more than 50 billion US dollars in 2010. The whole economy, industry and even the culture were affected by this policy in Iran. Since 2011, after 30 years governing subsidy regulation, the policy changes competitive condition by elimination of subsidized policy. This changes the economical and technological condition of Iranian industries. The most effect will be for Aluminum production industries, as primary Aluminum production needs a lot of energy

## کلمات کلیدی:

National development, Aluminum, Aluminum road map, Iranian Aluminum, Aluminum industry, Industry development strategy

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/193505>

