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THORIUM BASED NUCLEAR TECHNOLOGY FOR THE DEVELOPMENT OF MARTIAN  
CIVILIZATION

**Abstract**

We know that the Thorium is a radioactive chemical element that could be used to generate large quantities of low-carbon electricity in future decades. Compared to the uranium that powers today's nuclear plants, thorium is more abundant and widely distributed in the Earth's crust. This technology can be used in Mars too for the development of Martian civilization. This paper is about how thorium based nuclear technology is better alternative energy resource for the research activities in Mars and development of Martian civilization.