

Rio Tinto and Mining in Mongolia: The Oyu Tolgoi Deposit



How can we help?

It will be possible to provide you with a complete solution for your project. We will be able to help you in every step of the process, from the initial study to the final implementation.

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Project Details

Project Name: Oyu Tolgoi

Location: Mongolia

Client: Rio Tinto

Year: 2010

Value: \$1.5 billion

Scope: Mining operations

Services: Project management

Results: Increased production

Timeline: 18 months

Team: 500 professionals

Contact: info@casesolutions.com

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How can we help?
Rio Tinto and the Oyu Tolgoi deposit are the subject of a case study on the website. The case study is available in English, Spanish, and Chinese. The case study is available on the website TheCaseSolutions.com

Case Study
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What is mining?

Mining is the extraction (removal) of minerals and metals from earth. Manganese, tantalum, cassiterite, copper, tin, nickel, bauxite (aluminum ore), iron ore, gold, silver, and diamonds are just some examples of what is mined. In order to mine, you need to take away land that may already be in use of habitation.

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Why do people mine?

People mine for the outcome of finding expensive materials that people use in everyday life. These materials which have been extracted from the ground can then be used to sell to people who will need them.

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Reasons for mining

- to extract valuable materials from the ground
- to sell these materials in exchange for money
- to use the materials found to make other things

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How does mining effect the environment?

Mining is generally very destructive to the environment. It is one of the main causes of deforestation. In order to mine various toxic chemicals are dispersed into the ground, these chemicals often end up in rivers and can potentially either critically hurt living things (such as animals or plants) or can kill them.

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How it hurts the environment

- chemicals are dispersed into the ground
- chemicals end up in rivers and habitation
- kills animals
- kills plants
- takes up large amounts of land

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Pros & Cons

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PRO'S

- get materials from the ground
- creates money for a healthy economy

CON'S

- kills plants and animals
- takes up land and habitation
- non-renewable resources are not treated with respect
- bad impacts on global warming
- creates lots of waste

How can we help?

if all of us treat non-renewable resources with respect and don't take them for granted then we could save millions of years of re-producing these resources. You can help this aw easily as recycling our plastic. If we all take a stand to sustainable then we can definitely make a difference together!

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