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A New Development for the Seediq Bale Geothermal and Cultural Village in Taiwan

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The Seediq Aborigine Tribe locates in the Snowy Mountain, middle of Taiwan. This tribe has a population of about 10,000. They live along the upside of the Choshui River, one of the major water supply for west Taiwan. An active fault system across the river. The land is rich in geothermal and the tectonic is dynamic. The drillings and MT surveys in recent years have indicated a high geothermal gradient and the water contain the neutral PH values. It has been long developed as a hot spring and resort area. However, during the typhoon season, these mountain areas are easily attacked by the heavy rainfall, and often the electricity supply is cut off by the land slide. Once the electricity is off, the water supply is also gone and to live in the mountain become very difficult. This type of situation is repeatedly occurred in the Seediq Tribe communities as well as in the other mountain areas where the aborigines live. The loss of life and properties are enormous. In order to improve this situation, our university and the private drilling company cooperate together with the local aborigines to have a new development of using the hot spring for a small but enough 1-2 MW power generation. Since the geothermal energy is abundant in this area, therefore, the aborigine community will be able to supply their need for the electricity and water as well. No matter how the typhoon affect the mountain area, they will be able to live as happy as their normal days. In the meantime, they continue to extend their joyful culture. The geothermal is a clean, renewable, and no pollution energy. Taiwan need this type of green energy.