

CASE STUDY 09: IMPROVING ALTERNATIVE ENERGY IN THE KYRGYZ REPUBLIC

The Fluid Fund Public Fund, established in 2002, develops biogas technology in the Kyrgyz Republic.

The company is now a qualified BAS engineering consultant and is experiencing a significant increase in demand, which has helped to finance its research programme. BAS has also helped the company to expand into neighbouring countries.

The company required help with a project to improve one aspect of the biogas creation technology. Ceramic discs used in the production of biogas technology had always been imported from Ukraine, which was very expensive, so the company decided to produce them locally. The BAS consultant identified fire-clay deposits suitable for production of the discs, developed and tested the technology in the production cycle and provided advice on building kilns and on the development of the production line (forming, drying and baking).

The company began to produce the ceramic discs, which resulted in decreased costs for customers and, most importantly, generated additional income for the company through the sale of a new product – gas heaters. After some time, the company began working with a porcelain production plant to prepare the ceramic paste according to a mixture developed by the BAS consultant. This is more economically effective than preparing the paste themselves.

The project helped the company to reduce costs, which it passed on to its customers, and to reduce the need for expensive international transport of goods. It was also able to begin local production of new products, such as radiators.