



**Uzbekistan**  
*Catalyzing Transformational Development*  
*...equipping the nations*

## SODIS Central Asia

### Initiative

The Uzbekistan Ministry of Health has approved expansion of the SODIS (Solar Water Disinfection) program to five regions. Implementation also moves quickly in Afghanistan, as water borne diseases kill one in 4 children under the age of five. After two years of successful study JDA is disseminating the knowledge of this simple water treatment technique

### Challenge

The health sector in Central Asia has been hit hard by the Soviet Union's collapse. People in many parts of Central Asia have no access to clean drinking water. Many supply networks are in poor condition or are lacking completely. Water-borne diseases is one of the main causes of child mortality for children under the age of five.



**Given the internationally recognized standard category of diarrheal illnesses in children of age 0-5, SODIS communities reported a decrease of 53.5%.**

### Results

Solar Water Disinfection is a relatively new water treatment technique, using plastic bottles and the sun for water disinfection. SODIS is extremely useful method for village without gas or electricity and our results have shown significant fewer diseases caused by water-borne pathogens. The project villages have had a total reduction by two-thirds within two years, compared to little change in non-SODIS villages..