

Trilateral Cooperation Peru – Brazil – Germany

Centre for Environmental Technology (CTA) in Peru

Context

The decision to invest in the creation of a Centre for Environmental Technology (CTA) came about due to the increasing demand for services related to the theme in Peru. Conceiving the project, there were no qualified professionals in environmental technologies to work within industries, in a way to satisfy Peruvian environmental legislation or the demands of external market. The National Service for Industrial Training (SENATI) is one of the largest education and training centers related to Peruvian industry and has great conditions to overcome this gap.

In the intergovernmental dialogue between Peru and Brazil it was agreed the construction of this center for environmental technologies. So, the Brazilian Cooperation Agency (ABC) mobilized the National Industrial Apprenticeship Service (SENAI), which is a renowned institution with vast experience on environmental control of industrial activities and fostering professional capacity. Considering that Germany is also a reference in advanced technologies in the environmental field and professional training, trilateral modality was chosen in order to join complementary strengths of both countries. This project began in 2010.

Objective

To establish a center for environmental technologies, oriented to professional training and provision of services in the fields of water and sanitation, air and clean development mechanisms, soil and recovery of degraded areas, solid waste and cleaner production



and energy efficiency and renewable energy, according to the demands of the market.

Results and Impacts

- The CTA building was built and equipped and, currently, it is able to pay all of its operating costs through the sale of its own services;
- CTA regularly offers technical training courses in the areas of Water Treatment, Environmental Technology and Industrial Chemistry; Specializations in the areas of Air Quality and Water and Effluents Treatment; Short-term training on various topics;
- At the end of 2017, CTA had already 501 students of technical careers, of which 150 were already trained; 1344 participants in training courses;
- Today the CTA is recognized by both the business sector and the public sector as a key player in the dissemination of environmental technologies in the country and the model of the Center for Environmental Technologies has been replicated to other regions of the country.

Approach

During the five years of the project, each country had been contributing with experts from different areas to make the Centre become a reference in several technologies.

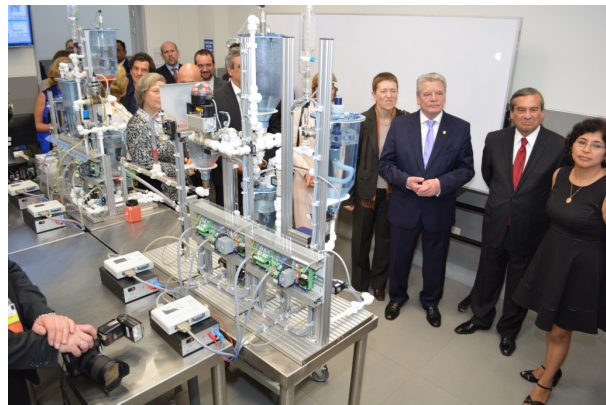
Peru, through SENATI, coordinated the project and was also responsible for building the Centre, providing equipment and infrastructure.

Left picture: Students working at CTA.

The Brazilian contribution, coordinated by ABC, counted on the assessment provided by SENAI in the organization and management of CTA, in the construction of laboratory offers and in the training of technical personnel in the following areas: Water Supply and Sanitation, Cleaner Production and Management of Solid Waste and Recycling.

GIZ, responsible for the German contribution, supported the development of new networks and international partnerships, involving the economic sector, in addition to supporting the provision of services and training of technical personnel in the areas of: Air and Clean Development Mechanism, Soil and Regeneration of Degraded Areas, Energy Efficiency / Renewable Energies and Technological Innovations.

| Centre for Environmental Technologies—Overall time: 2010-2014 | |
|---|-------------------------|
| Partners | Volume |
| APCI/SENATI (Peru) | US\$ 1.2 Million |
| ABC/SENAI (Brazil) | US\$ 2.8 Million |
| BMZ / GIZ (Germany) | US\$ 1.3 Million |
| TOTAL | US\$ 5.3 Million |



Picture above: inauguration of the Centre.



Picture above: training of professional staff.

| | | | | |
|---|---|---------------------------------|--|---|
| Published by | Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Registered offices: Bonn and Eschborn, Germany GIZ Office Brasília SCN Quadra 01 Bloco C Sala 1501 Ed. Brasília Trade Center 70.711-902 Brasília DF T + 55-61-2101-2170 F + 55-61-2101-2166 giz-brasilien@giz.de www.giz.de/brazil | On behalf of the | Federal Ministry for Economic Cooperation and Development (BMZ) | |
| Last updated | September 2016 | Addresses of the BMZ offices | BMZ Bonn Dahlmannstraße 4 53113 Bonn, Germany T +49 (0)228 99 535-0 F +49 (0)228 99 535-3500 poststelle@bmz.bund.de www.bmz.de | BMZ Berlin Stresemannstraße 94 10963 Berlin, Germany T +49 (0)30 18 535-0 F +49 (0)30 18 535-2501 |
| GIZ is responsible for the content of this publication. | | | | |