**Project Summary**

Traditionally, technical education in secondary schools was overly theoretical, teachers lacked adequate technical and didactical skills and curricula were not in line with the demand of the industry. The project addressed these problems by establishing a special research and training programme for technical trades at the Kigali Institute of Science and Technology (KIST).

**Project Objectives**

- **Overall goal:** Demand-oriented training of technical teachers and engineers at KIST
- **Project objectives:**
  - Improvement of the training quality of teachers for the secondary schools graduated from KIST
  - Capacity development for the technical middle management level at enterprises

**Project Activities**

- Advisory service to the Ministry of Education on improving framework conditions and capacity to reform the technical training sector in close cooperation with the business community
- Organisational development and capacity development of KIST to an efficient, demand-oriented and praxis related technical training institute
- Concept and development of a new structural unit for the technical training of engineers and secondary school teachers
- Close cooperation with the business sector and with secondary technical training schools
- Development of “Curricula for Technical Teacher Training and Technical Entrepreneurships”
- Design of modern, applicable and realistic curricula at university level (carpentry and joinery, masonry, plumbing, electro engineering, electronics, automobile engineering, information and communication technology and mechanical engineering)
- Introduction of a cross-cutting curriculum for pedagogy and teaching skills
- Formation of an Industrial Advisory Board to coordinate and facilitate the reform process in the technical training sector

**Services provided**

- **Demand Orientation of KIST**
  - Strategy of KIST for cooperation with the industry
  - Organisational development and capacity building at KIST
  - Establishment of technical committees for “Cooperative Vocational Training”
  - Cooperation with regional African and German VT institutions
  - Curricula development for technical and didactical subjects
  - Permanent structures for the cooperation of KIST with public and private enterprises, and the relevant private sector industrial associations

- **Occupational Research**
  - Concept of a occupational research unit at KIST
  - Proposal of methods for occupational research
  - Vocational research on the demands of the industry
  - Implementation of demand analyses
  - Development of occupational profiles and frameworks

- **New KIST Department**
  - Development of a research unit for designing the future strategy for national technical teacher training
  - Concept of new structural units for the technical training of engineers and secondary school teachers
  - Development of curricula and training materials
  - Further training of the respective faculty at KIST

- **Improvement of the Legal Framework**
  - Intervention on government, institutional and enterprise level
  - Advisory service on technical training reform process to Government (Min. of Education)
  - Proposals for new occupational profiles, curricula, and training and certification frameworks
  - Initiation of the cooperation of KIST and the industry; establishment of several technical committees

**Rwanda**

**Kigali Institute of Science, Technology and management (KIST)**

**Client**

Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)

**Duration**

01.01.2004 - 30.06.2006

**Personnel**

- 1 international LTE, vocational training specialist for KIST and Ministry of Education
- 36 PM local and international VT STE