



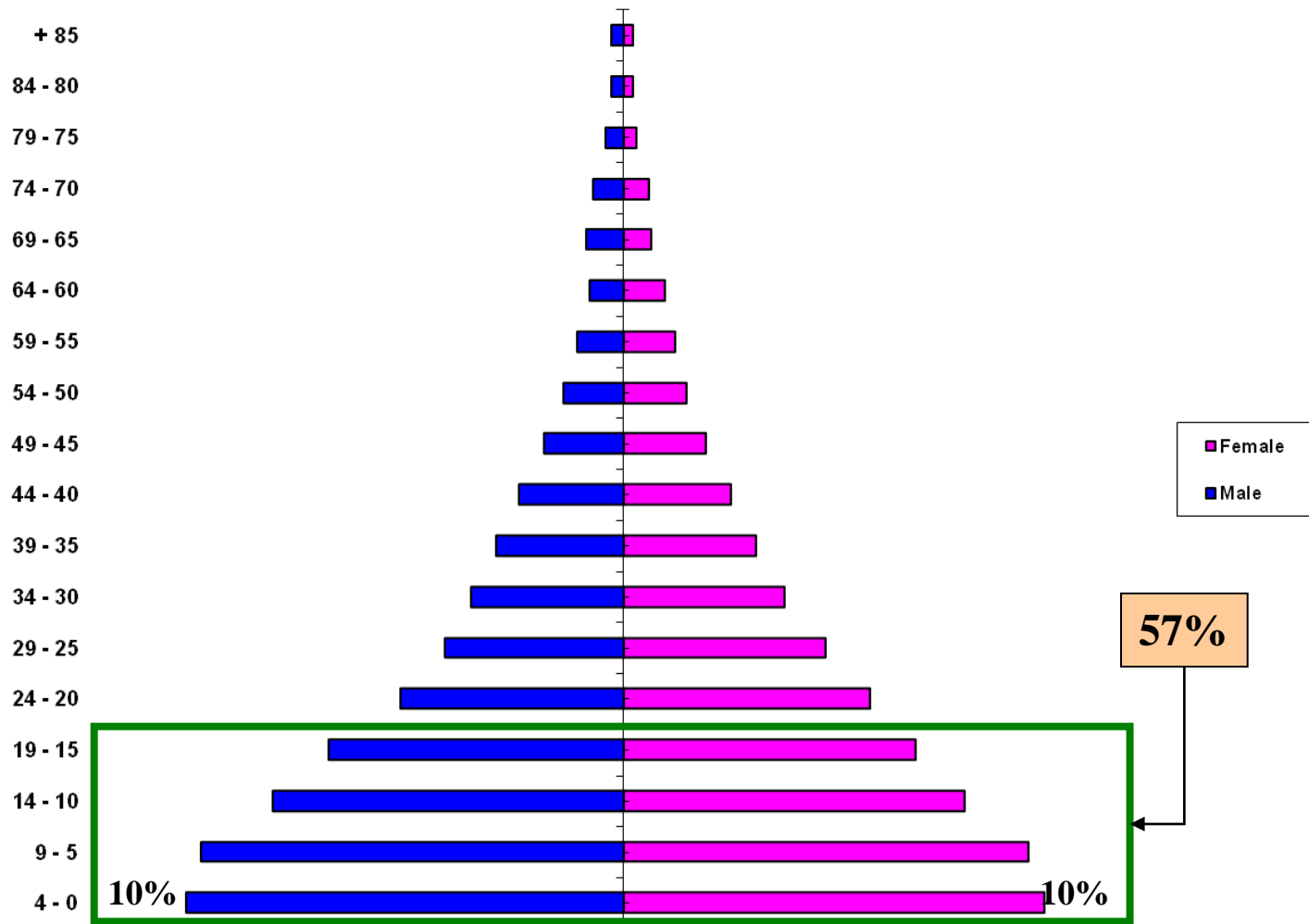
# Educating Vocational Trainers – Educating the Change Drivers

Dr. Michael Klees  
Technical Trainers College Riyadh



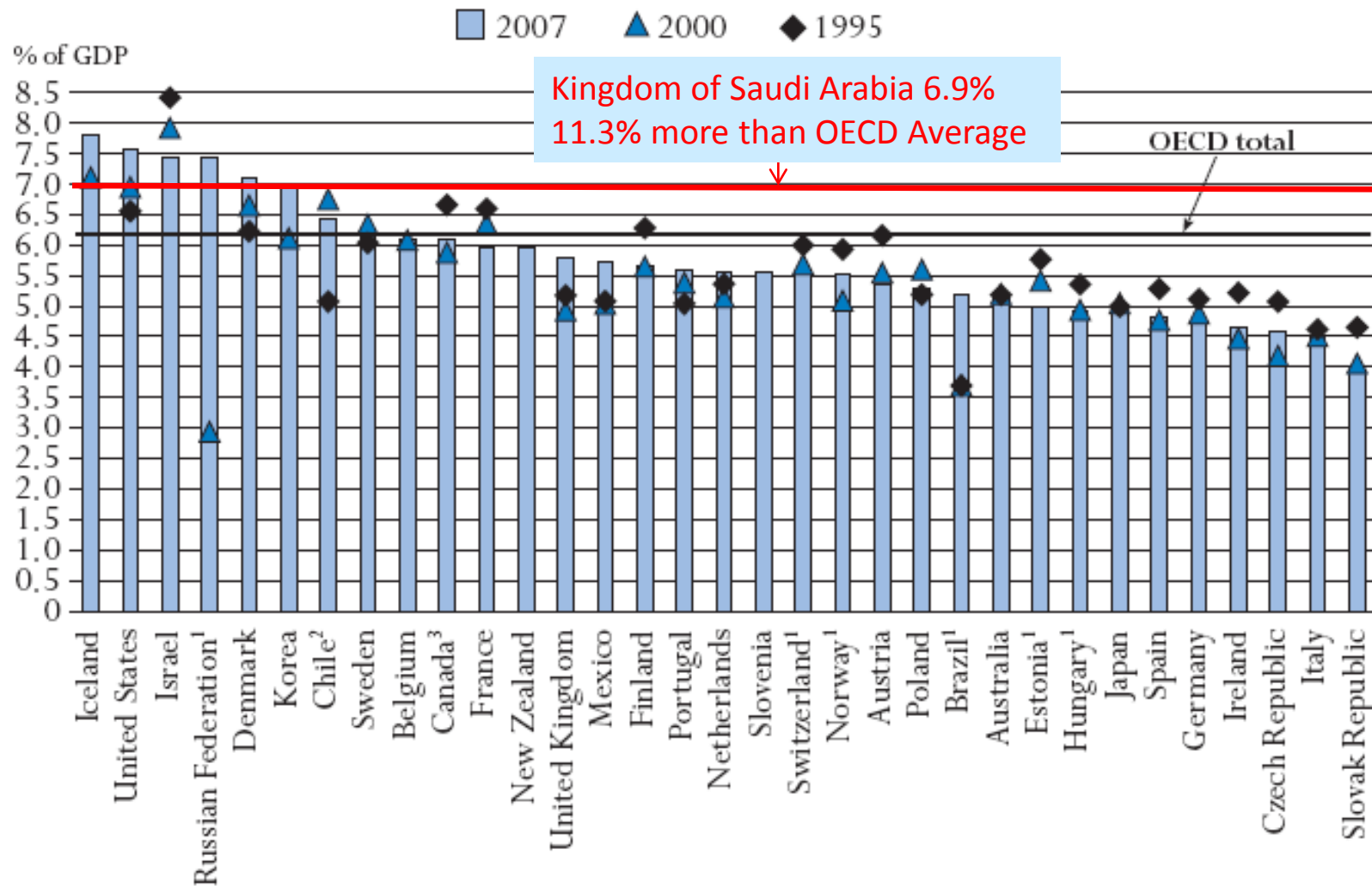


## Lets see why....Saudi Arabia age pyramid



Source: TVTC

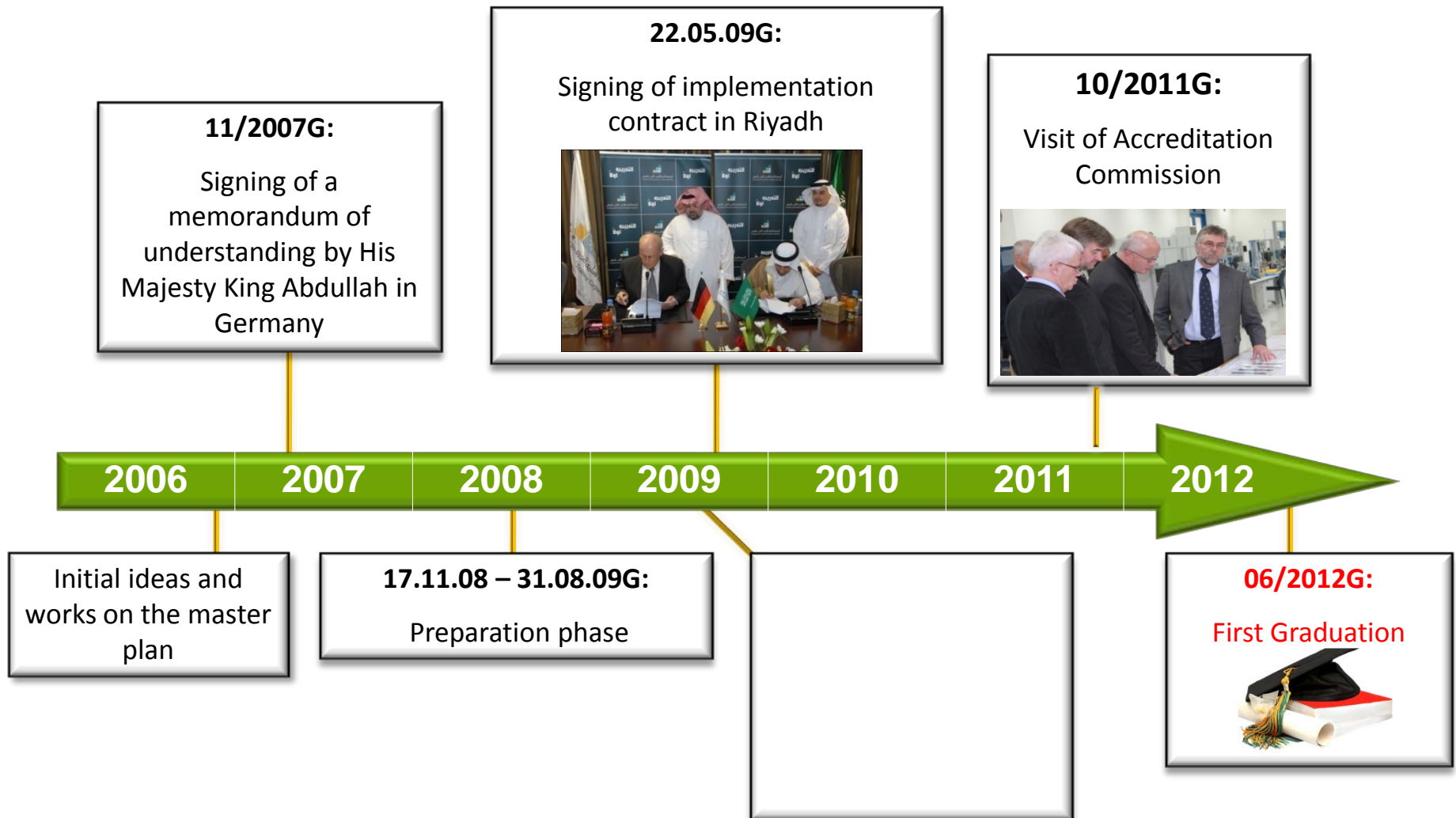
# Saudi Arabia: Basic Information



Source: TVTC



# Far reaching development in a short period of time





## GLZ scope of work:



Signing of the contract: 22.05.2009G

Seating left: CEO Peter Michael Schmidt (GIZ IS)

Standing left: Vice Governor Dr. Saleh Al-Amr

Seating right: TVTC Governor Dr. Ali Al Ghafis

- Strategic planning
- Planning of infrastructure
- Development of curricula
- Recruitment of trainers
- Admission of students
- Public Relations (PR)
- Quality and risk management
- TTC accreditation





# Students

- Currently more than **1000** students
- 1200 students to be educated at TTC as target
- Age: 22-28
- Saudi nationals
- Graduates of CoT
- Minimum GPA and English program passed





## Degree:

- TTC offers a **Bachelor of Engineering Technology (BET)**
  - Combination of technical and vocational education
  - 240 Credit Points
  - 6 (8) semesters
  - English as main language of instruction

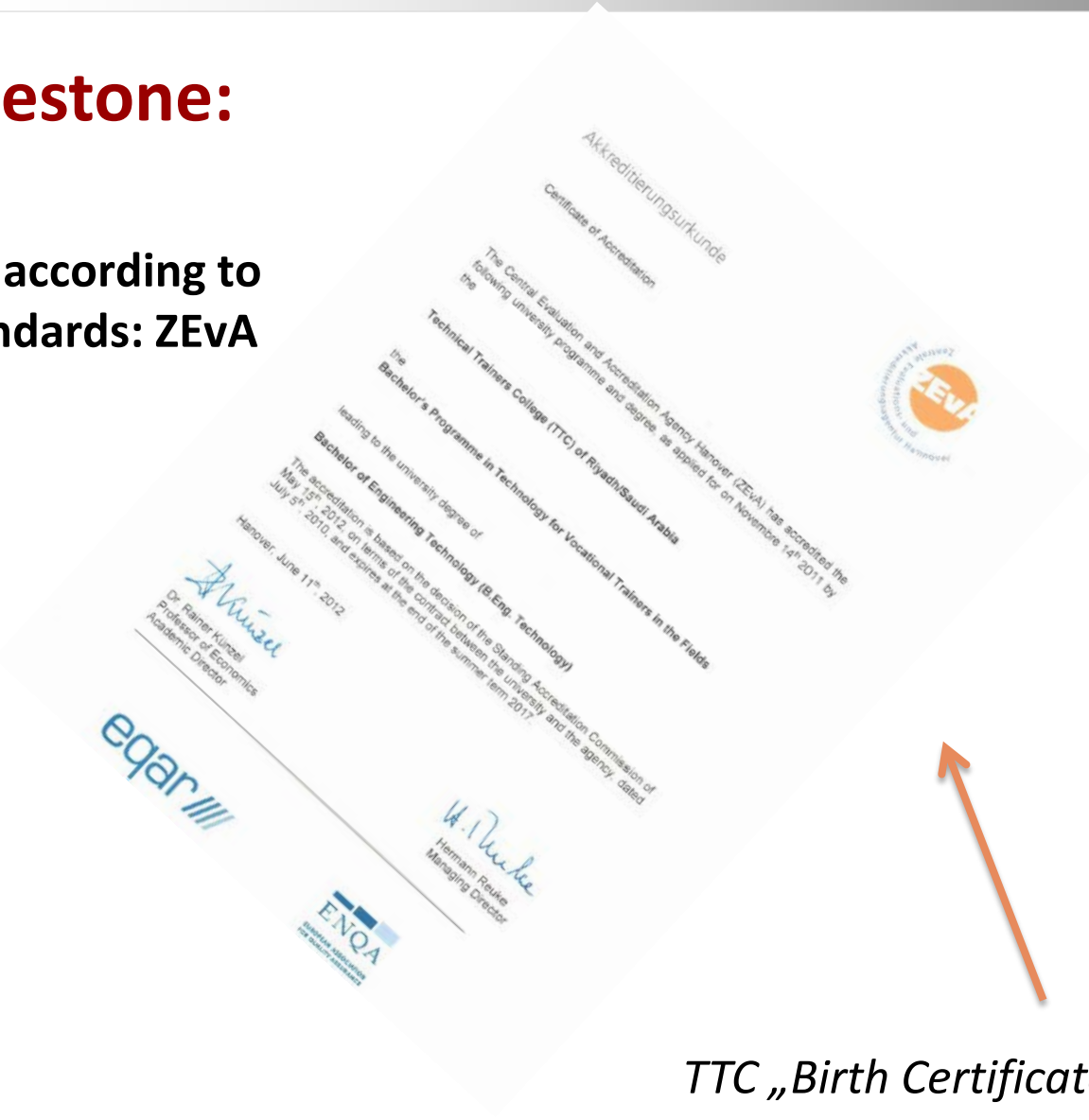
## Graduates:

- Trainers at Colleges of Technology (CoT)
  - Existing CoTs
  - Foster Colleges
  - Colleges under foreign management



## Important milestone:

- Accreditation according to European standards: ZEVA



*TTC „Birth Certificate“*





## TTC programs

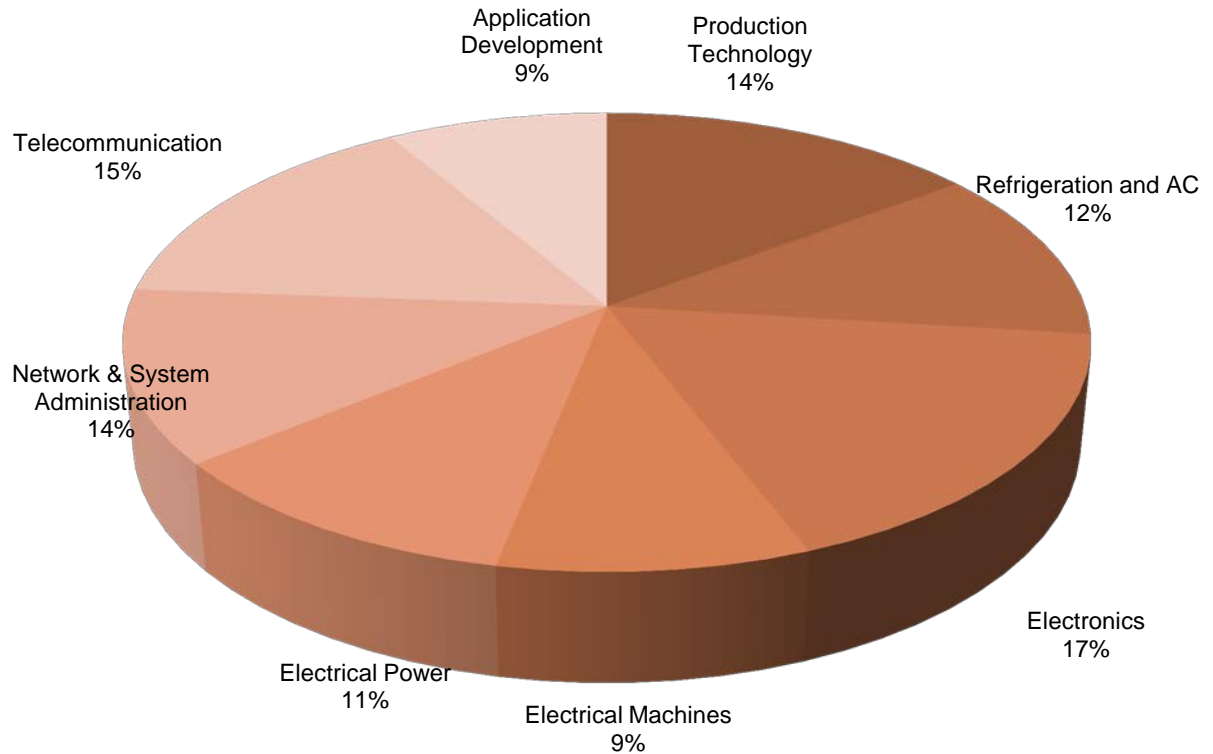
- a. **Mechanical Engineering**
  - Production Technology
  - Refrigeration and Air Conditioning
  - To come: Automotive
- b. **Electronics and Electrical Engineering**
  - Electrical Machines
  - Electrical Power
  - Electronics
- c. **Information and Communication Technology**
  - Telecommunication
  - Application Development
  - Network and System Administration
- d. **Islamic Studies**
- e. **Vocational Pedagogy**
- f. **English Language Training**





# Student distribution according to vocational disciplines

Production Technology	<b>141</b>
Refrigeration and AC	<b>116</b>
Electronics	<b>164</b>
Electrical Machines	<b>86</b>
Electrical Power	<b>104</b>
Network & Systems Administration	<b>166</b>
Telecommunication	<b>145</b>
Application Development	<b>82</b>
	<b>1004</b>





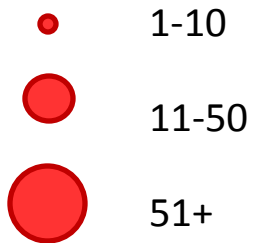
# Impressions...





# Origin of our students

Origin of the students based on the location of the colleges they have finished before:



Data from 10/2010 – 20 answers “no info”





# TTC is an important project for GIZ and a cornerstone of German-Saudi cooperation



Deutsche Gesellschaft fuer  
Internationale Zusammenarbeit  
(GIZ) and TVTC



- Long lasting tradition of co-operation in KSA since 1966G
- Comprehensive GIZ consulting services ever since
- **TTC represents a cooperation volume of 45 million EUR from 2009 – 2012G**
- One of the few German universities abroad
- Replicable to other countries and regions
- Largest project of GIZ IS in KSA

....with sheer unlimitd potential....



## ■ Core data

- TTC employs **106 professionals**.
- **23** faculty, staff and leadership personnel count with a **Ph.D.**
- There are in total **138 occupied positions**.

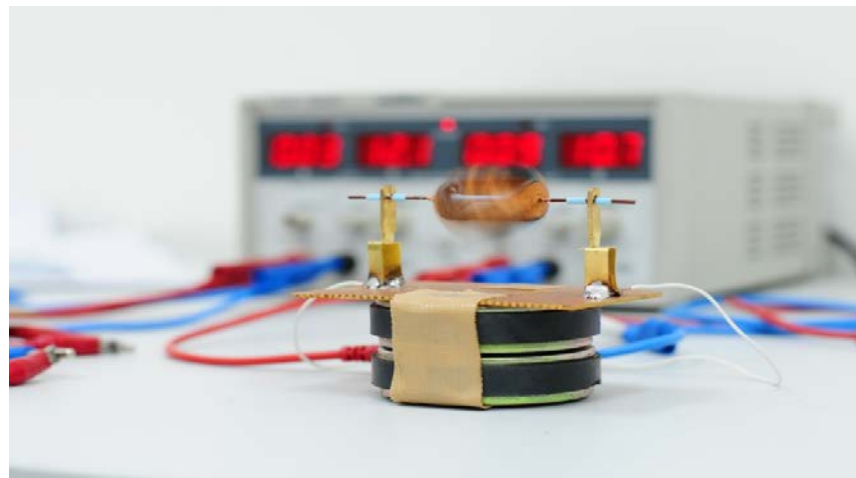




- **TTC: International working place of German origin**
- Employees at TTC come from **27 nationalities**
- TTC “professionals” have their origin in **16 nations**. Among those count, apart of Germany and Saudi Arabia, Austria, Sweden, Finland, Portugal, United Kingdom, United States, Mexico, Greece, Holland, Australia, Canada, France, Ireland, South Africa and Spain.



# Impressions...





## What makes us unique:

- **One-phase training** which integrates Vocational Pedagogy with technical instruction
- Dynamic and **diverse faculty**, pedagogical experts as well as technical experts, ~ 25 Ph.D.
- **Action-oriented** teaching-learning methods
- One-shot educational experience, forming **K**nowledge, **S**kills and **A**ttitude (Herz, Hirn und Hand")
- Integrated out-of-class experience :



40 % of Practical Training		60 % Theoretical Training	
Company Field Practice, Teaching Experience, Practical Courses		Courses in the Vocational Disciplines	Courses in Vocational Pedagogy



## Company Field Practice (CFP) / Industrial Relations

- Practical insights and profound understanding of the conditions in today's globalized world of work
  - Knowledge, Skills and Attitudes (K.S.A.)
  - “Out of college learning opportunities”
- Two periods of minimum six weeks in Company Field Practice (CFP-1, CFP-2) during the summer break
- **Summer 2011:** 420 students in CFP
- **Summer 2012:** 700 students in CFP
- Cooperative approach to build sustainable partnerships with companies all over the Kingdom of Saudi Arabia, including:





شكرا

**Thank you!**

**Visit us at [www.ttcollege.edu.sa](http://www.ttcollege.edu.sa)  
or in Riyadh**