

„Renewable Energies in Rural Areas“

**A Sino – German
Technical Cooperation Programme**

13th Expert Meeting of IEA-PVPS Task 9

15th PVSEC 2005 Shanghai, PRC

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Outline of Presentation

- Introduction – GTZ at a glance
- General Framework of Programme
- Institutional Development
- Dissemination Strategies
- Technical Quality Assurance
- Challenges & Lessons Learned

Introduction – GTZ at a glance

GTZ is a public benefit corporation whose shares belong to the Federal Republic of Germany and acts on behalf of the BMZ with operations all over the world

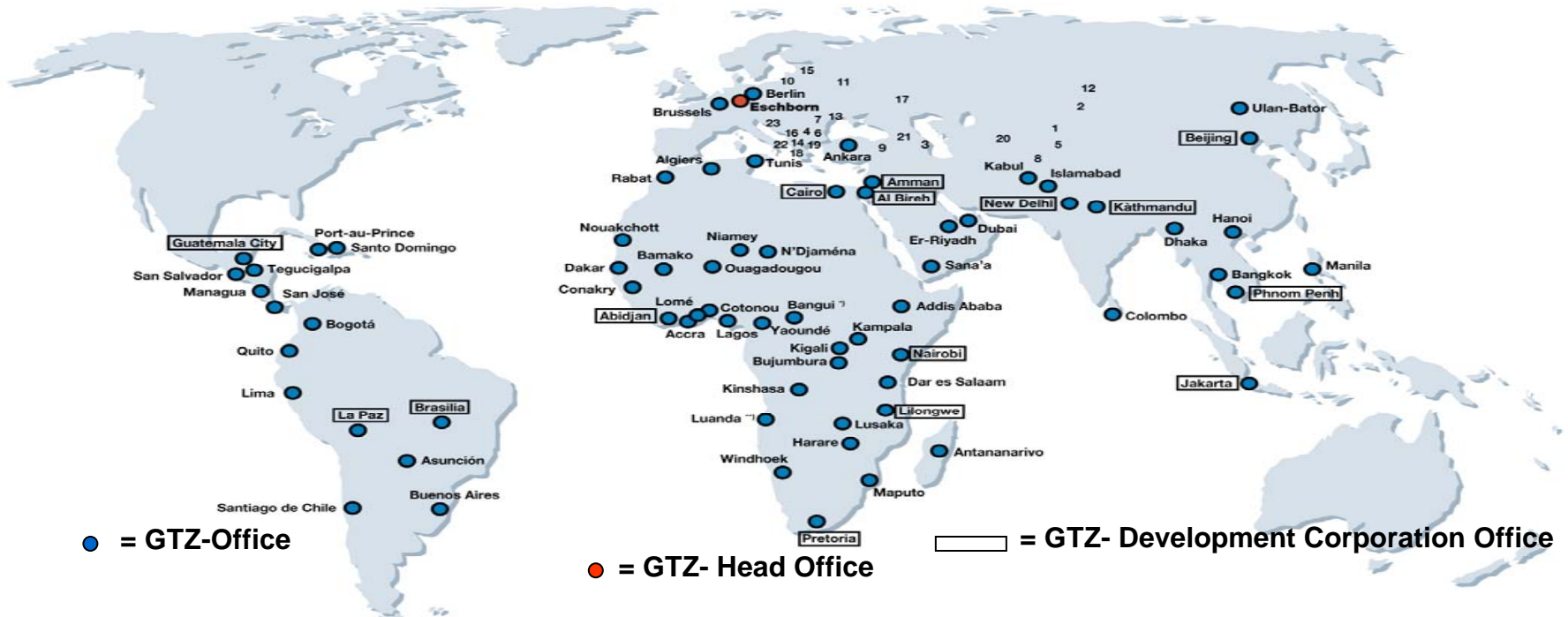
turnover (2004): € 990 m

No. of projects (2004): approx. 2,800

staff (2004): approx. 10,000



Bundesministerium für
wirtschaftliche Zusammenarbeit
und Entwicklung



General Framework of Programme



Institutional Development

First Component

- PV-Chapter of 11th 5-Year Plan (2006-2010)
- Renewable Energy Promotion Law
- Training / Township Electrification Program
- Study on Sustainable Training Facility
- RE Center in Linzhi / Tibet; Lanzhou / Gansu

Dissemination Strategies

Second

- Publicity Campaign (Radio, TV)
- School Competition in Gansu / Yunnan
- Consult Rural Finance Cooperatives
- Programme Website / Quarterly Newsletter

Technical Quality Assurance

Third Component

- Technical monitoring system for RE township PV & PV/Wind systems in Qinghai
- Testing of Charge Controllers / Inverter for SHS
- Technical upgrading of the PV Laboratory in Tianjin to international levels
- Comparision of existing Chinese and Intl. Standards

CHALLENGES & LESSONS LEARNT

Institutional Issues

- System Integrators and -Operators
- Provincial Power Utility
- Rural Energy Service Companies
- Ownership

CHALLENGES & LESSONS LEARNT

Technical Issues

- Reliability of Components
- Monitoring of System Performance
- Technical Measures to Limit Electricity Consumption
- Productive Use of Electricity

Thank you for your attention !

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