



CHAMPION TECHNICAL TRAINING CENTER

Background

An exciting background to the fastest growing Vocational/Technical school in Afghanistan, a unique construction training school. From humble beginnings in 2006 to the present, CTTC has delivered the finest training available for the industry. With over 18,416 plus graduates in Vocational and Technical and Medical fields, CTTC has provided many benefits to Nation Building since 2006 as a Registered NGO, Not-for-Profit.



Champion Technical Training Center

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Print Jan, 2016



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CHAMPION TECHNICAL TRAINING CENTER (CTTC)
KABUL, AFGHANISTAN AND JALALABAD CITY, NANGARHAR PROVINCE
WEB SITE: WWW.CTTC-AF.ORG

BACKGROUND

Our Vision, Yesterday, Today and Tomorrow

Vocational schools provide an important avenue for over-aged students and work-force returnees to pursue relevant education in occupational subjects such as the construction trades, electro-mechanics, auto mechanics, appliance repair, ceramic ware, carpentry, business studies and management, as well as agriculture and crop science. Vocational training can be expected to have a much more direct and immediate impact on the quality of workmanship across various industry sectors as well as a person's ability to attain a higher quality of life through better paying jobs.

Champion Technical Training Center (CTTC) is a voluntary, non – governmental organization, non-political, non-sectarian, non-profit and humanitarian organization. It registered with The Ministry of Economy, registration no. 1183, established in 2006. The CTTC implements various types of projects in multiple sectors, including health, engineering, vocational technical, advocacy & communication, good governance and rule of law, peace and human rights, gender equality, equity & mainstreaming awareness, education (non-formal primary education, literacy courses, and skill development), health (hygiene promotion, mother & child cares and WASH), Livelihood (food, fruit processing, kitchen gardening, Food/Cash for works), natural resource management (NRM) and women empowerment, women skills development . The CTTC is proud to have over 15,000 graduates in above various sectors with a successful employment rate of about 87%.

Operations include one-month programs of multi-curriculum classroom and hands-on training for approximately 200 Tradesmen and Engineering students. These core Trade and Engineering classes are coupled with CTTC's specialized Technical Training classes such as the "Site Engineering Superintendent, Construction Quality Management, Total Station Survey, Construction Materials Testing, Construction Quality Management Training, Micro-Hydropower, Road Construction Design, Principals of Bridge Design, Vertical Structure Design, Construction Quality Management, Safety and Health, Beginning and Advanced Electric, Beginning and Advanced Plumbing and Construction Basic Surveying. A variety of Computer Engineering classes are also available including Auto CAD 2D, Auto Cad 3D, 3 D MAX, 3 D HOME, SAFE, SAP 2000, E TABS, Civil 3D, Eagle Point, Primavera Project Planner (Version 3 & 6), MS Project and GIS Arc View. All Technical Classes are taught at both Jalalabad and Kabul campuses and are available in Dari and English.

Through our Woman's Empowerment Training & Development Program headed up by our Woman head of Operations, we offer many programs in our family support and woman's betterment programs. Examples include food and family betterment, training and trades in sewing, tailoring and craft making, animal raising, education for girls and woman, skill improvement to increase income for specific trades. Additional skills have been taught successfully to women including construction skills that one would think of as a man's trade such as carpentry, steel work, electrical, masonry, painting and plumbing for repairing girls' schools. A successful program done in Jalalabad.

CTTC is open to look at developing any training programs for men or women, youth and community training programs, for the betterment of Afghan communities. Together we can improve on the Nation building experience.

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CTTC Technical Training Programs

The CTTC has been conducting technical training programs both at its Jalalabad campus and Kabul campus since 2005. The technical training programs were initially implemented during the operations of the USAID funded Construction Trades Training Center (CTTC) in Jalalabad. The technical training programs include Infrastructure Engineering classes for Certified Engineers, AutoCAD 2 and 3, Construction Management, Primavera Construction Scheduling, Total Station Survey, Construction Quality Management and Construction Health and Safety. The AutoCAD 2 and 3 classes were first conducted in Jalalabad during the implementation of the USAID funded vocational/technical program and continue to be taught both in Jalalabad and Kabul to date. The Construction Quality Management training program which was initially requested by the Army Corps of Engineers (USACE) and taught by the CTTC was subsequently supported by the USACE by providing the students and paying their tuition for the program. The CTTC was the only training center in Afghanistan certified by the USACE to conduct QCM and Safety. As well the CTTC was certified by OSHA (US) to teach CTTC Construction Health and Safety classes in accordance with the Occupational Safety and Health Agency (OSHA) guidelines that were incorporated into the class curricula. Both the CQM training programs and the Construction Health Safety Training programs which were originally conducted in 2007 continue to be successfully taught at both the CTTC Jalalabad campus and the CTTC Kabul campus.

CTTC Quality Assurance Past Performance

CTTC has strong past performance in quality assurance monitoring including experience as a quality assurance implementing partner, a quality assurance trainer and as a quality assurance consultant.

From 2007 to 2009 the CTTC entered into a contract with the Jalalabad Provincial Reconstruction Team (PRT) providing quality assurance monitoring of PRT selected construction sites throughout Nangarhar Province, Jalalabad. The sites included PRT funded clinics, schools and government buildings at all stages of construction including site work, grading, concrete, steel work, electrical, plumbing and finish work. The quality assurance inspectors were all CTTC vocational and technical instructors that were trained in quality assurance methodology at the training center. All quality assurance monitoring conducted by the CTTC instructors was performed according to the strictest quality assurance methodology using photos, text and audio recordings which were then compiled into project monitoring reports and forwarded to the PRT as monthly contract deliverables.

The CTTC was first approached in 2007 by the USACE and asked to develop a quality assurance training program as part of the USACE “Construction Quality Management” (CQM) program currently being implemented on Afghan construction contracts. We are conducting CQM classes every week since 2007. The CQM program which emphasized quality assurance monitoring was an intensive two week program conducted by the CTTC through contract with the USACE. The USACE also supported the CTTC QCM training program by sending students and paying for their tuition. At the end of the two week training program students were tested according to the established USACE QCM guidelines and if passing were given a certificate that qualified them for USACE construction contract implementation.

The CTTC also provided quality assurance monitoring consultation to INGOs and NGOs alike, including DAI and GTZ in Jalalabad. In doing so the CTTC helped DAI set up a quality assurance monitoring programs for cobblestone roads and rural infrastructure projects. As well, CTTC consulted with GTZ in Jalalabad on how to monitor material sampling and material testing programs for infrastructure projects.

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CTTC Quality Control Past Performance

The CTTC understands quality control and has deep and extensive quality control experience both as an implementing partner and as a building contractor.

The CTTC first started conducting quality control programs as a building contractor under the guise of the Construction Trades Training Center (CTTC) in Jalalabad, Afghanistan in 2006.

As part of its construction process a quality control program was incorporated into its first construction contract with the Jalalabad Provincial Reconstruction Team (PRT) in 2006.

The quality control program had two primary components, a certified Quality Control Officer and a Quality Control Plan formulated according to the latest quality control software at that time, QCS, Quality Control System (2006). The quality control plan was implemented daily for the respective construction projects and the results reported to the CTTC Director. CTTC construction projects included green house fabrication and installation contracts with DAI and Afghan National Police office rehabilitation contracts. CTTC successfully completed construction contracts for the Jalalabad PRT, the Afghan National Police and DAI without one call back for rework, in part due to its quality control program.

As well, the CTTC has broad experience as a quality control implementing partner. The CTTC has contracted with more than ten national and international construction companies in Afghanistan as a quality control partner providing material testing and material sampling quality control oversight. The international companies include DynCorp International, ECCI, GIZ, KEC, KfW, Dangyl AS and national companies include ZACC, SZQCC, and BHCC etc. List is provided in our website www.cttc-af.org in detail. CTTC is uniquely qualified to conduct quality control on individual CTTC construction contracts and also for contractors and donors as we have three USACE certified material testing laboratories currently operational in Afghanistan. Strict internal quality control is practiced at the CTTC material testing laboratories including equipment calibration schedules, record keeping and progressive training programs for laboratory technicians.

The CTTC understands the differences between quality assurance programs and quality control programs and is able to clearly delineate between the two. Throughout many of the military funding programs the CTTC has contracted with, it has been noted in contracts and during meetings that quality control and quality assurance often times were unclear. The CTTC has both the past performance and current capacity to implement both quality control programs and quality assurance programs for large scale national and international financed construction projects.

Health Training Programs in Afghanistan

CTTC is seeking to expand its self internationally establishing its branches and training program nationally. The next step towards expansion of its successful training programs would be CTTC's Health Trainings in technical and management aspects of health care in Afghanistan. Currently, CTTC, is working with the Ministry of Public Health in developing a five year stratagem in Homeopathy medical practices.

We are linked to many institutes and companies around the world. American Medical College of Homeopathy, BJains Pharmaceuticals and Book Stores, Hahnemann Labs America and other companies in health sector continue to support us in the Medical field. In 2016, we hope to establish a working relationship with Cuba who has used medical doctors in training and community development across the globe. Other possibilities, include China who has had, for more than 1,000 years an excellent health care and practices medical program, in place for many centuries.

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Program Description:

Training classes at CTTC for trades and engineering began in January, 2006. The CTTC trades program is an intensive 24 days, 6 days a week class that begins with an assessment of all students enrolling in the program. Through a personnel interview and questionnaires all students are placed into their perspective trade classes which include carpentry, electrical, plumbing, painting, steelwork, welding and masonry class. Training consists of daily classroom and practical work assignments.

The first week of the CTTC 24 day session for Tradesmen and Craftsmen is composed of classroom instruction whereby a complete explanation is given of their perspective trade. Along with classroom instruction, general safety procedures and recommendations in the workplace are taught with a basic first aid class given to all students with short practical assignments to fit the classroom training.

The second and third week of classes are dedicated to trade practicum, whereby all students receive hands on training in their perspective trade. All classrooms are a combination of class and workshop. The workshops are excellent by Afghan and American standards and each has an extensive inventory of fine trade specific tools. This follows the class schedule drafted and approved for the specific class.

After the first two weeks of class a mid-term test is given orally to all trades and craftsmen students. This test is based on the lesson plan which each teacher has and follows. The lesson plan serves as a bench mark and from this plan an assessment is made on each student according to the progress they have made in their trade class. A final test is given at the end of the session and is also based on the lesson plan which the teacher has been using as a teaching guide during the 24 day session.

At the fourth week of Trades class, a trade specific project located in the community or at the school is used to give students, a sense of what happens for real in the work place. Students from the various trades and foremen classes participate in this community development project in order to practice their new trade as well as promote understanding about the school and its role in the community.

At the conclusion of the 24 day class a graduation is held in the school auditorium in which students receive a certificate of completion and a pocket license to their trade. A file is kept on all students and through our job placement program, jobs are found for many of the students who arrive at the school without a job.

The CTTC Site Engineer class is an intensive construction management class designed for engineers that will be working as “Site Superintendents”. All CTTC Site Engineer students spend one day in each CTTC vocational trade class and are taught the specific critical codes and procedures of that trade. Important aspects of supervising construction projects are taught. Concrete mix design, CPM scheduling, QA and QC programs and IRC and IBC (International Building Code) implementation are emphasized during the class. A special “Code Check” program is an important part of the class whereby all students view a DVD/TV program that reviews American Industry Standard electrical, plumbing, building and mechanical codes. An OSHA video is used and reviewed for trade employee safety.

CTTC also continues to develop its technical programs through collaboration with key Stakeholders such as PRT, UNOPS, Nangarhar Builders Association,, Afghan Builders Association and USACE, The School’s “Construction Quality Management” has been mandated by USACE for all QC Engineers and QC Managers working on a AED construction contracts. To date, the CTTC has trained over 600 QC Engineers and QC Managers in Afghanistan.

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Champion Technical Training Center

As a result of the CTTC's collaboration with the Nangarhar Builder Association, the Afghan Builder Association, the school continues to facilitate the training needs of local and National NGO's and Building Contractors, Additional classes to the schools technical program are added periodically and you can check www.cttc-af.org for updates.

Since 2009, CTTC has operated an International Consulting Service to foreign government institutions in five countries, Thailand, Mexico, Belize, Venezuela and Brazil. Our focus has been expanding and increasing technical capabilities. By increasing, the technical capabilities, Students can increase their knowledge of personal business operations that they might own and operate. This leads to increased business which leads to increased employment.

In addition to the CTTC's Technical, Vocational and Medical programs, we have three Certified Material Testing Laboratory's which are certified by US Army Corps of Engineers which operates under the banner of CMTC and CTTC in Jalalabad City. The Material Testing Laboratory serves an important addition to the schools technical program as well as generating income vital to the school's yearly operational budget.

Additionally CTTC operates a small construction Company, D-33099, licensed for profit. This allows Vocational and Technical students to be employed and to continue their Practical training learned at CTTC. This entity does smaller projects, sometimes in the Private sector and sometimes in the government sector as called on. It is flexible in its mission and the focus is on Job Training. This allows the student to possible have work and receive documentation to their performance, work habits etc. From this a letter is drafted as a recommendation letter for the student. Again most of our students are men but we do train women in a number of specialty classes as well as disabled individuals.

Marble training started in 2010 as a field project, expanded to a core marble geology class with 28 students. Today, this continues with marble core drilling with two classes of 20 students. CTTC has a diamond core drill that is used in marble training as well as our geo-technical classes. It is available for rent with an experienced crew.

A new Training Program in 2011 included 450 students trained in Construction and Vocational Training as part of the APRP program in Maymana, the first pilot program completed in Afghanistan.

In 2011 CTTC started a training new prison vocational construction program for prison training at Bagram Base. This is a joint project with funding from British Government as well as the United States government.

In 2012, CTTC continue to grow with a continuation of training at Bagram Air Base for students from across Afghanistan, community classes in Jalalabad and Kabul as well as our weekly ongoing CQM and Health and Safety classes certified and supported by USACE. Additional training opportunities are solicited throughout Afghanistan.

One of our very enjoyable projects was a women's training program for 23 University women engineers. In over history we have trained five women in the last six years and now we have expanded the number available by five times.

CTTC has trained 450 students in the first of its kind in Afghan Peace Programs. It was jointly developed by Afghan officials at Faryab province, the US Military and CTTC. We encourage anyone thinking of executing these programs to include Job Placement. Students were trained in new green house and crop enhancement

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techniques along with vocational classes including, welding, carpentry, painting, masonry etc.

In January, 2013, CTTC signed a training contract with AWDP (Afghan Workforce Development Program) for training mid-level construction workers using USAID funding for 130 mid-levels Tradesmen, Assistant Tradesmen and Inspectors in Jalalabad. Our plan includes 40 women in painting and electrical.

The CTTC-Medical Department has also supported Ministry of Public Health in non-communicable diseases and celebrated World Diabetes Day and World Cancer Diabetes in 2014 and 2015.

OBJECTIVES

Most classes are held for 24 days, excluding the Technical Engineering classes. Sessions begin with classroom instruction and conclude with practical hands on training for each trade. Each classroom maintains a professional workshop where the students can practice their trade under the supervision of their instructors. A few points covered are:

- | | |
|---|--|
| <input type="checkbox"/> Construction Management | <input type="checkbox"/> Site Work |
| <input type="checkbox"/> Surveying and layout | <input type="checkbox"/> Building Layout |
| <input type="checkbox"/> Construction estimating | <input type="checkbox"/> Foundations |
| <input type="checkbox"/> Material testing | <input type="checkbox"/> Principles of Concrete |
| <input type="checkbox"/> Construction scheduling | <input type="checkbox"/> Structural components of a building |
| <input type="checkbox"/> Quality Assurance and Quality Control Programs | <input type="checkbox"/> Building Inspections and Agencies |
| <input type="checkbox"/> Principles of Engineering | <input type="checkbox"/> Health & Public Health Training |
| <input type="checkbox"/> Site Engineers | <input type="checkbox"/> Engineering |
| <input type="checkbox"/> Code Check Program | <input type="checkbox"/> Construction scheduling |
| <input type="checkbox"/> Safety Programs | <input type="checkbox"/> General Construction |

BENEFITS

- Free enrollment
- Transportation available
- Lunch provided on school days
- Upon graduation all students receive a pocket license & a certificate of completion
- Job placement program

The CTTC has operated since opening in January 2006, To date the CTTC has successfully graduated over 10,500 Tradesmen and Engineers from its Vocational and Technical programs.

Through The CTTC's Job Placement program, the school has placed over 2,800 of its Technical and Vocational graduates into construction jobs, making a substantial contribution to the Local and National Construction Industries, benefiting Afghanistan's broader reconstruction and stabilization efforts. This represents approximately an 87% placement rate due to our extensive follow up with students and a great working relationship with our many contractors in our data bases. As we expand schools and programs, this is expected to continue to grow.

The CTTC's Job Placement Center also serves as an avenue for assessing the schools Vocational and Technical Training Programs. Graduates that are referred to Construction Companies for Trade and Engineering positions are checked and assessed approx. two weeks after beginning work to understand the appropriateness of their training received at the CTTC.

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In 2014, the CTTC partnered with Ministry of Public Health, WHO, UN World Health Organization and related National and International Institutions working for Homeopathic Medical System to Draft, Finalize and Approve a Five Year strategy in Homeopathic medical system for Afghanistan. This strategy enables Minister Public Health Afghanistan to successfully incorporate and use Homeopathy as an alternative medicine for the good of the people of Afghanistan.

CTTC has been assigned for the Implementation of this five year strategy in Homeopathy for the Minister of public Health in Afghanistan starting late 2015 to 2020.

In technical and vocational training, International partners will be used to expand our training and add additional fields of study.

FOR TOMORROW

A stronger Construction Industry for Nation Building will employ more Afghans for the projected growth. Training is an ongoing concern to provide not only for growth but to provide skills for those that have been displaced. We have plans to add additional schools.

Additional Schools and possible Mobil Training Units will open “NEW AREAS” for training. Tell us about your needs! We would like to work together to solve these needs! CTTC is committed to being in a training mode beyond 2015 in Afghanistan and currently laying ideas and plans into 2020.

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Print Sep, 2016

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