


Ref. 16-3106		Project title SMART CLASSROOMS FOR INTRODUCING NEW TECHNOLOGIES FOR TIVET IMPROVEMENT IN KENYA						
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partners if any
	Kenya	4.030.000 EUR	10 %	8	Ministry of Higher Education Science and Technology	Ministry of Higher Education Science and Technology	December 2015 – December 2017	Devotra (lead firm)
Detailed description of project						Type of services provided		
<p>The Smart Classroom concept was originally designed in 2010 as phase 2 of the Kenya-The Netherlands TIVET Project (phase 1). In 2015 the Ministry of Education, Science and Technology (Directorate Technical Education) has reviewed the concept and the Smart Classroom was fully updated based on the latest concepts and technologies available. The Smart Classroom provides Kenya with world-class learning facilities without any equivalents in the world. The Smart Classroom introduces a unique TIVET teaching and learning concept, combining state-of-the-art technologies, software, simulations, experiments and hands-on practical education, making the 10 Centres of Excellence future proof.</p> <p>The Smart Classroom acts as an incubator area for ideas based on industry and labour market requirements. It will change students and teachers mind-sets and will bring innovation, spur creative and catalytic thinking, triggers students' exploration skills, enhance problem-solving based learning, and provide the opportunity to teach and learn design, programming and production skills.</p> <p>The Smart Classroom, covering 18 different topics from green energy, robotics up to 3D printing, improves the traditional TIVET teaching at the 10 TTIs through further introduction of student-centred learning, interdisciplinary work, Competence Based Education and Training (CBET), and will maximize the use of the existing equipment at the workshops, amongst others, through; presentations, digital lessons, investigations, on-screen simulations, virtual experiments, practical exercises, and project and group work.</p>						<p>Cadena is responsible for implementation of the technical assistance and training components of the project. The team consisting of 8 experts are providing, amongst others the following deliverables;</p> <ul style="list-style-type: none"> ✓ Support project design and inception ✓ Assessment of TVET teachers and smart classroom managers ✓ Design of training programme for smart classroom managers ✓ Design of training programme for TVET teachers ✓ Carrying out support missions (one year) to ensure good use, maintenance and hand-over of the smart classrooms at the 10 sites in Kenya 		