



# Morocco PCCs

Airbus Project Report  
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# Project Overview

## Introduction

Following the powerful earthquake in the Al Haouz province of Morocco in September 2023, Computer Aid, in collaboration with Airbus and Dell Technologies, has installed 4 Portable Connectivity Centres (PCCs) across the area with local partner Fondation Orient-Occident (FOO). The PCCs are providing ICT access, internet connectivity, training, and also offer psychological support following the earthquake. The 4 sites are all South of Marrakech and include Tinmel, Amzouzit, Azrou, and Iminogerzi.

## PCC Installation & Operations

The construction of 4 of the PCCs occurred between April and May 2024, with installation in their respective locations by June 2024. The PCCs are built using flatpack shipping containers which offer greater flexibility in transportation and mobility.

Each PCC is managed by a team of 2-3 people who assist in providing basic ICT training to child beneficiaries, and also help unemployed youth with their job search and careers guidance. There are 12 PCC staff in total and all of them received training once the PCCs were installed. Education for Employment (EFE), a Moroccan organisation trained the PCC staff in employment skills training and provided the PCCs with digital content which could be used more regularly by the PCCs and their beneficiaries.



## Self-Sufficiency & Sustainability

One of the key aspects of the PCCs is their self-sufficiency and reliance on solar energy. The PCCs are fully-powered by solar energy thanks to the provision of solar panels, an inverter and battery to store the energy. This means the PCCs have no cost to the local population and are operational so long as solar energy is generated and stored in the batteries.

The PCCs are also more resilient to earthquakes because they are less heavy and will not collapse from their own weight if there are tremors. This is particularly beneficial in Al Haouz given the recent powerful earthquakes that have occurred. This adds to the longevity of the PCCs in the region.

The equipment supplied in the PCCs are Dell rugged laptops which have a larger battery capacity and have an extended lifespan. They are Dell's most hardwearing laptop in production and built to last.

Each PCC has 20 laptops and has a simultaneous user capacity of around 20-40 users. This is because the PCCs are double capacity and utilise 2 flatpack shipping containers next to each other.



## Beneficiaries ICT Access & Usage

After the PCC installations and staff training, the online digital training platform provided by EFE was introduced at the PCCs which includes over 7,000 modules covering computer programming, soft skills, digital skills and certification options. In early August, all PCC staff had a session accessing these materials at the PCC in Azrou, to familiarise themselves with the platform and digital content. Since August 2024, the 4 PCCs have been used to benefit local beneficiaries including children under 12 years old, teenagers at secondary school, unemployed youth, and adult women.

At the Tinmel PCC, 37 children have used the PCC as an introduction to ICT, 5 youth members have benefitted from job skills classes, and 10 women have also benefitted from cooperative meetings for the community and psychosocial support.

Tinmel IT Class	Mon	Tues	Wed	Thur	Fri	Sat	Sun
6-10 Years	11:00 - 13:00				11:00 - 13:00		
11-14 Years		11:00 - 13:00		11:00 - 13:00			
15-18 Years	19:00 - 21:00	19:00 - 21:00	19:00 - 21:00				
Women 18+	15:00 - 17:00		15:00 - 17:00				



At Iminogerzi, 43 children followed have had basic ICT training, however, 19 young adults aged over 18 have also been accessing the PCC for assistance with university registration. There has also been a group of 54 women accessing the PCC in Iminogerzi for Mental Health awareness sessions and literacy classes. The table below shows the weekly training schedule at Iminogerzi. WS denotes workshop.

Iminogerzi	Mon	Tues	Wed	Thur	Fri	Sat	Sun
6-10 Years		19:00 - 20:30		WS			
11-14 Years			19:00 - 21:00	WS	17:00 - 19:00	17:00 - 19:00	
15-18 Years	18:00 - 20:00		18:00 - 20:00	WS	18:00 - 20:00		
Women 18+				WS		18:00 - 20:00	18:00 - 20:00

In Amzouzit, 92 children aged 6-12 were targeted, also having introductory ICT training. The training schedule for Amzouzit is shown below with young adult training starting to be offered recently.

Amzouzit	Mon	Tues	Wed	Thur	Fri	Sat	Sun
6-10 Years	11:00 - 13:00				11:00 - 13:00		
11-14 Years		12:00 - 15:00				12:00 - 15:00	
15-18 Years				12:00 - 15:00			
18+	9:00 - 11:00				12:00 - 16:00	12:00 - 16:00	



At the Azrou PCC in Tahannaout, 82 children aged 6-12 have been introduced to ICT and activities have included: learning to turn computer on and off, using paint software, and exposure to the Microsoft Office suite, particularly Microsoft Word. There has also been 22 young adults benefitting from It and job skills sessions.

The table below shows the weekly schedule for the Azrou PCC and which classes take place for which age groups.

Azrou IT Class	Mon	Tues	Wed	Thur	Fri	Sat	Sun
6-10 Years	11:00 - 13:00				11:00 - 13:00		
11-14 Years		12:00 - 15:00					
15-18 Years				12:00 - 15:00			
18+	9:00 - 11:00				12:00 - 16:00	12:00 - 16:00	

In total, **254 children** (48% girls), **46 unemployed youth** (70% female), and **64 women** have benefitted from the project since September. in total, this amounts to **364 beneficiaries**.



# SUSTAINABLE DEVELOPMENT GOALS

## 4 QUALITY EDUCATION



### Quality Education

**This project contributes to Target 4.4 of SDG 4 which states:**

*By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship.*

*Beneficiaries are directly gaining and have the opportunity to gain relevant technical skills that will improve their job prospects, contributing to Target 4.4.*

## 5 GENDER EQUALITY



### Gender Equality

**This project contributes to Target 5.B of SDG 5 which states:**

*Enhance the use of enabling technology, in particular information and communications technology, to promote the empowerment of women.*

*By working with similar ratios of males and females and in some cases having more female beneficiaries, usage of equipment by all ensures that no individual is excluded.*

## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### Industry, Innovation And Infrastructure

**This project contributes to Target 9.C of SDG 9 which states:**

*Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries.*

*By providing beneficiaries with computer labs and assistive technology, beneficiaries have access to information and communications technology.*

## 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



### Responsible Consumption And Production

**This project contributes to Target 12.5 of SDG 12 which states:**

*By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.*

*PCCs are a sustainable approach to building remote computer labs Therefore, this project is promoting responsible consumption and preventing unnecessary waste generation.*

# Next Steps

The Morocco PCC project has made progress in achieving project outputs with 364 beneficiaries impacted so far (60% of all beneficiaries are girls or women). The success of the project led Dell to fund a 5th PCC which was recently installed in Tagadirt in November 2024 and has been operational since December 2024.

Moving forward, the project will look to achieve the following:

- Make each of the PCCs ICDL centres offering internationally recognised ICT literacy certification to beneficiaries. Computer Aid has partnered with ICDL over 10 years to provide training, assessment and certification to project beneficiaries in a variety of contexts.
- FOO, the local partner, will become an ICDL accredited partner after its staff at the PCCs are trained in the ICDL framework.
- Further ICT access and usage by current and new beneficiaries, leading to a greater number of beneficiaries impacted and a greater impact per beneficiary. ICDL training will eventually be offered to beneficiaries, with a variety of certification options.

