

Use case Education - Accessibility in rural areas

College ABC, is a global college with entities in big cities and in rural areas aiming to provide a unified high-quality teaching level to all their students including those in the remote areas. They organize video sessions between teachers and specialists in the city and small groups of students staying in the rural areas. This ensures that all their students get the same level of education and know-how across the country while optimizing the specialist's time allocation and reducing the travel costs involved.

In the rural areas, the college doesn't necessarily have highly skilled IT staff and the number of rooms is limited and with basic setup.

In these types of sessions, the following challenges (Ch) should be taken into consideration:

- Ch 1. All the students should be able to collaborate with the teacher, ask their questions and share their views as if they were in the same room
- Ch 2. The expert should be able to easily identify any student talking to him for a better productivity
- Ch 3. If the sessions are long, then the students should be comfortable to keep their attention during the whole session.
- Ch 4. The solution should be easy to install
- Ch 5. The solution should easily integrate with other existing equipment
- Ch 6. The solution should be easy to use by non-IT personnel and by students
- Ch 7. The solutions should be easily moved from a classroom to another

How the Silex Value proposition helps solve the challenges:



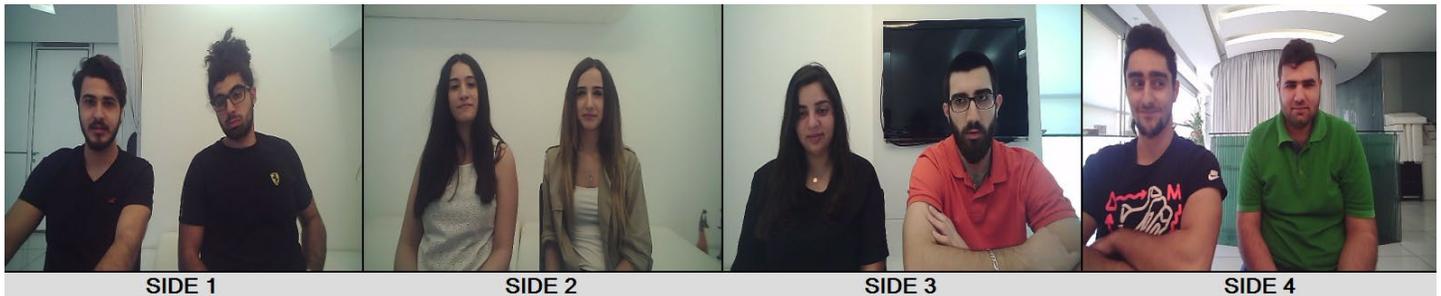
Solution to Challenge 1: intelligent display setup and whiteboarding

Depending on the model, Silex PTE systems come with 3-sided or 4-sided multi-touch displays. Any content and the far end video are displayed on the system in the center of the table on all sides of the device. Students sitting around the table perfectly see the remote teacher and discuss the same displayed content.

The system is a unique multi-sided whiteboard allowing any student sitting on any side of the table to use the touch screen and actively contribute to the discussion, while remaining seated and seeing all the other participants.

Solution to Challenge 2: A perfect eye contact

The Silex PTE system is placed in the center of the meeting table and students would be sitting around it. Therefore, they would be perfectly framed by the cameras located on each side of the system at eye level: Students all look the same size and have an eye contact with the remote teacher. Thus, the teacher can identify the students and can perfectly see their facial expressions as if they were in the same classroom.



Solution to Challenge 3: Comfort during long sessions

Since the Silex PTE system is in the middle of the meeting table, all students remain comfortably seated all the time and look at a screen in front of them rather than twisting their neck to look at a wall-mounted screen.

The viewing distance is optimized to offer the students a guaranteed perfect view of the content since all students are seated at an equal distance from the screens comparing to a traditional classroom setup where some students would be close to the wall-mounted screen and others too far.

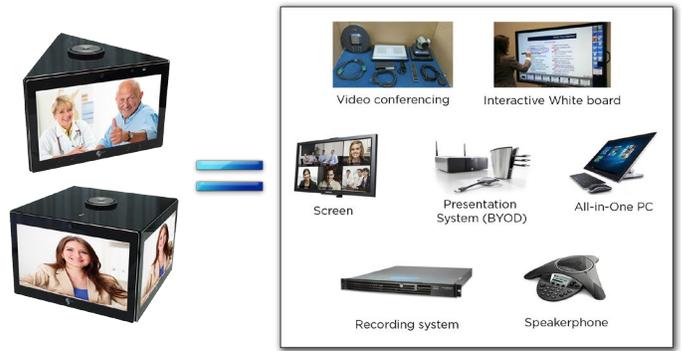
Solution to Challenge 4: Zero installation required

Silex PTE systems are all-in-one Center of Table visual collaboration devices. All the required components that may be needed for visual collaboration are already assembled and connected in a single stylish unit. No need to worry about connecting different components; Simply plug the unit to a power socket and to the internet and start collaborating

Silex PTE systems include all the below mentioned components:

- A multitouch screen on each side
- A HD camera on each side (3 for Silex PTE Trio and 4 for Silex PTE Quattro)
- A Sennheiser omnidirectional speakerphone (speaker and microphone)
- An agnostic video conferencing system

- A multisided whiteboard with an annotation system
- A wireless presentation system based on Miracast and AirPlay standard wireless presentation protocols
- Recording



Solution to Challenge 5: A standard system for easy integration

The Silex PTE systems operate on Windows 10 Pro, therefore they are natively compatible with any equipment or software that works with Windows. They come with Bluetooth, HDMI In/Out and USB ports. They connect wirelessly to Android and IOS devices.

Solution to Challenge 6: Easy to use

Silex PTE systems are easy to use and intuitive. The system operates on Windows 10 Pro, which makes it easy and familiar for participants to manipulate. The Silex PTE control interface is easily accessible and is graphical. It is intuitive and participants can learn how to use it in a few minutes. There is no complicated remote control to get acquainted with.

Solution to Challenge 7: Fully portable

Silex PTE systems are fully portable. One person can carry it and place it in the center of any small to medium meeting room table. It can be moved between rooms, floors and buildings very easily.

