

CADSCHOOL

Autodesk, Adobe and Apple Authorized Training Centre



Geneva, Switzerland

The Organization

Founded in 1998 in Geneva, CADSCHOOL has positioned itself as a continuous professional training center specialising in CAD, (Computer Aided Design), DTP, (Desktop Publishing), and now Video Post-production software:

- Autodesk software: AutoCAD, 3ds Max, and Revit
- Adobe software: Creative Suite, InDesign, Illustrator, Photoshop, and After Effects
- Apple software: Final Cut Pro

Training programs, which include a maximum 9 trainees, are organized into modules that target specific abilities. Teaching complex software solutions requires a mix of theoretical demonstration and hands-on practice. Concluding the training program, a workshop allows techniques and knowledge to be put into practice through the development of an individual professional project.

As an option, CADSCHOOL offers proficiency through work placement and through the creation of a digital portfolio that highlights the trainee's acquired skills.

The Challenge

CADSCHOOL had been searching a long time for a computer classroom management system that would enable trainers to demonstrate real-time software manipulation on the trainee's monitors.

The systems would also need to support blocking and monitoring of a trainee's screen, sharing one trainee's screen with all trainees (to highlight specific issues), and having the possibility of giving keyboard and mouse control of one student station to another student.

CADSCHOOL also wished to share presentations directly on trainees' monitors to avoid the fatigue associated with viewing a distant projection (from a projector).



First, CADSCHOOL began working with computer classroom management systems that use the local area network (LAN) to support screen sharing.

Quickly, CADSCHOOL become disillusioned, since these systems didn't allow the display of a full color palette (degraded shading) and real-time manipulations done by the trainers were jerky and delayed on trainee's monitors.

CAD, DTP and post production training requires pedagogical tools without any weakness in the display of images, computer graphics and motion. Finally, CADSCHOOL began researching a solution that would enable screen sharing – at full resolution, without delay, and without loss of image quality.

The Solution

At the end of their research, CADSCHOOL identified Robotel's SmartClass DVI as the most effective solution available. CADSCHOOL has so far equipped two classrooms of 5 and 10 stations and plans to install a third room shortly.

Unlike software-based products that restrict resolution, restrict refresh rates, and reduce the available color palette, hardware-based systems deliver high definition perfect video. (1920x1200 @ 60Hz).

When sharing a screen, the trainer may also take or assign keyboard-mouse control or simply block the trainees' monitors.

SmartClass DVI is based on the switching of digital signals (DVI+USB), through a set of interfaces, dedicated hubs and CAT5 cabling.



The Testimonial

Mr. Jean-Bernard DELUZ
Quality Assurance manager

« As CADSCHOOL quality assurance manager, I am responsible for ensuring that our trainers can offer crystal clear and effective presentations to optimize knowledge transfer, for providing ergonomic workstations and rooms, and for assuring the comfort of the trainees.

SmartClass DVI enjoyed an immediate adoption by trainers. They use it much more than the previous system. On top, trainees have shown high level of satisfaction with it.

We are entirely satisfied with SmartClass DVI – it delivers an impeccable video quality transfer in High definition, in Windows environment as well as Apple Mac OS X environment.

After two full months of usage, we find that this solution meets our high standards of performance and quality. We want to equip all of our training rooms with SmartClass DVI.»