



## Case Study: Point Loma High School

### CCTE Program Focuses on Motion Picture Industry at Point Loma High School

#### **Challenge:**

At Point Loma High School in the San Diego Unified School District, students in the College and Careers Technical Education (CCTE) program were trying to learn cinematography techniques without a studio and using outdated equipment. The mission of CCTE is to prepare students for their future — college and career ready. The problem was the school's location: directly under flight path of SD International Airport. How could you have a sound stage with airplanes taking off an average of every 5 minutes?

#### **Solution:**

PAC Engineering, as part of the team put together by Zagrodnik + Thomas Architects, met with teacher Anthony Palmiotto and CCTE Director Shawn Loescher to solve this dilemma. It was decided to remodel one of the original buildings currently used as a warehouse for school supplies. Working with structural and acoustical engineers, the building itself was redesigned from the top down to add layers of sound proofing. There was also a sound lock built around the studio doors. Now the ambient noise level is equal to any sound stage in the Hollywood.

The students shoot on their new HD field cameras and audio recorders. The seniors use 35mm Sony video cameras with prime lenses. They then transfer the files to a shared storage system and edit on new Apple MacPro work stations using the latest version of Final Cut. The video server can then access the edited files for sound sweetening in the 5.1 ProTools audio booth or ADR in their new folly studio. The finished product can be viewed with surround sound in the new digital screening room.

The students are no longer limited by their old technology. This new system has improved the value of education, sharing of knowledge and giving the students the opportunity to be “college and career read” using state of the art professional cinema equipment.

#### **Technologies:**

- EditShare Shared Storage
- DigiDesign ProTools software and D-Command mixer
- Apple MacPro Edit Work Stations
- RTS Intercom System
- Cobalt Distribution and Processing System
- Sony Field Cameras
- ETC Lighting Board
- ProCyc Chroma Key Wall
- High Tech Industries Custom Consoles
- JVC Video monitors
- QSC amplifiers
- JBL Speakers
- DPI Cine Series Projector
- Dolby Digital Cinema Processor
- Doremi Nugget Pro Servers
- Crestron control system
- Bi-Amp audio processors