

# REPORT

## Design and Construction of Multifunction Video Room

Within a framework of the project "Quality Improvement of Master programs in Sustainable Energy and Environment - QIMSEE", one of our classrooms had to be reconstructed to serve as a multifunctional video room. After the meeting in September, members of IT department in coordination with the member of HIST, Robin Stockert, created a layout of the classroom and a detailed description of existing infrastructure and building materials. Detailed list of the needed equipment was made and initial preparations started. Several contacts with suppliers and distributors were made regarding the procurement of the necessary equipment according to the HIST approved list.



The classroom was thoroughly reconstructed with civil works, new electricity and networking was installed, and lighting according to specification. Meanwhile, the procedure of purchasing needed equipment was on the way. After that, the IT department started installing the equipment. The equipment installed was as follows:

- projectors Epson EB-1430Wi and EB 1980Wu were mounted on ceiling and connected
- Aputure LED Lighting and Equipson active speakers were also mounted on ceiling
- Audio mixer RCF model L-PAD8C was connected with speakers and personal computer
- Personal computer was rack-mounted in a 24U rack
- Epson document camera and Logitech Conference Camera C3000e were installed and configured
- Epson AL-C300DN Color laser printer was installed
- Cisco router RV042 was installed and configured
- Whiteboard 280x130cm was mounted on a wall



From the pictures above, you can see the progress we made in reconstruction of one of our classrooms. Interactive projector was installed above the whiteboard to assist during the classes and the other projector was mounted to serve as a big picture projector. Several rows of lights and LED lighting provide excellent illumination of the classroom and the audio system with active speakers is sufficient for classroom of this size.

This technology will help us in lectures on a new level and we hope that the students will enjoy classes in this classroom.