

EDUCATION AND OIL

UAE: Established in 2001 as a world-class engineering education and research institution for areas of significance to the energy industries — particularly oil and gas — the Petroleum Institute (PI) counts the Abu Dhabi National Oil Company (ADNOC) and four major international oil companies among its sponsors. As part of its remit, it operates instructional laboratories and classroom facilities, and is currently engaged in establishing three major research centres on its campus in Sas Al Nakhl, Abu Dhabi.

With Emirates Computers appointed to oversee the installation of the technical systems for a new auditorium, Dubai systems integrator Aesthetix Solutions found itself charged with specifying and installing the A/V systems.

Specialising in integrated broadcast, audio, video, lighting, dynamic digital signage, security and control technology solutions, Aesthetix is expert in providing 'brand agnostic' solutions using efficient, hi-tech equipment. In this case, the focus of the installation was presentation and sound reinforcement, with supporting lighting and control.

Central to the installation is a desktop computer, located in the auditorium's control room, that can also be linked to the campus network. There is also provision for a notebook/laptop computer to be linked in through a Crestron floor box located at the foot of the podium on the auditorium's stage. Composite video points are also provided in the floor box for playback and preview purposes. The computer visuals are routed by a Crestron AV2 system to a PLC XF46 LCD data/video projector that is installed permanently in the control room ceiling and serves a Draper 200-inch fixed screen. All A/V functions are controlled using a Crestron TPS 2000L/TPS 3000L touch-sensitive control panel.

The audio, meanwhile, is directed to a Yamaha 16/6FX mixing desk and then to eight Yamaha P7000S amplifiers serving a main PA system comprising six JBL VRX932LA and two VRX918S line array cabinets flown as two hangs of four boxes. The system management is through a dbx Driverack 260. Feeding the PA system are a Sony DVP NS 50DVD player, a Denon DCM 500 five-disc CD player, DRW 695 cassette deck and TU 245 tuner. The auditorium's microphone systems include two Shure EZG/18SE lectern microphones, six Shure SM58 wired vocal microphones, four Shure PG1288/PG185 handheld wireless microphone systems and two lapel microphones. While the JBL line array serves the main auditorium, it is supplemented by 12 JBL Control 24CT loudspeakers in the lobby, which are powered by a Crown CDi 1000 amplifier.

Currently the Petroleum Institute offers Bachelor degrees in Chemical, Electrical, Mechanical, Petroleum and Petroleum Geosciences Engineering, as well as Master of Engineering degrees in Chemical, Electrical, Mechanical and Petroleum Engineering. New engineering and science programmes will be added in the future, as they are identified.

To date, NS Krishnamoorthy, Aesthetix's manager of operations and projects, reports no maintenance calls received from the ADNOC auditorium.

www.pi.ac.ae

Aesthetix AV Solutions Technology,

UAE: +97 1 4337 4755

www.aesthetix.ae

www.emiratescomputers.ae



The ADNOC auditorium with JBL VRX line array system