

## VEHICLES GO GREEN

Many institutions committ to reducing carbon emissions on their campuses

**M**any educational institutions have committed to reducing carbon emissions on their campuses – whether by initiating bicycle sharing programmes, reducing parking spaces or by offering shuttle bus services. One area in particular where environmentally-aware campuses can completely cut out emissions is within their facilities maintenance departments. While campus maintenance crews rely heavily on vehicles to help transport materials and staff, some are making the move from larger gas-powered pickup trucks to smaller, yet equally capable electric utility vehicles. “Electric utility vehicles offer facility and maintenance crews a great solution in the search for clean transport,” says Roberto Gorostiaga, Club Car Director for Europe, the Middle East and Africa. “These departments frequently transport employees and materials using traditional petrol or diesel powered vehicles, but often the large size of these vehicles and the emissions they create are unnecessary.”

Gorostiaga recommends that campus estate managers check out the electric utility vehicles available on the market, including the full lineup of

Carryall utility vehicles offered by Club Car. Electric models run completely off of battery power, eliminating the need for fuels, the expense of these fuels, and more importantly in today’s “greener” society – the harmful emissions. “Don’t let their efficient and ‘quiet’ nature fool you,” says Gorostiaga. “The electric Carryall vehicles of today are tough, capable and ready to take on a full day’s workload.”

Electric Carryall models feature Club Car’s exclusive IQ Plus System, built to help Carryall vehicles excel, go anywhere and do anything. A high output charger, controller, onboard computer and battery system provides fast charging, and superior power and range. With IQ Plus, users can customize top speed, acceleration and motor braking for optimal performance. The majority of Club Car’s campus customers add options such as cabs, van boxes, ladder racks, toolboxes, cab heaters, and lights, according to Gorostiaga. In addition, Club Car’s Custom Solutions has created modified vehicles for many educational applications, from campus mail delivery to security. Custom Solutions also provides standardized offerings tailored to other campus needs, including packages for campus maintenance and ambulance/medical vehicles.

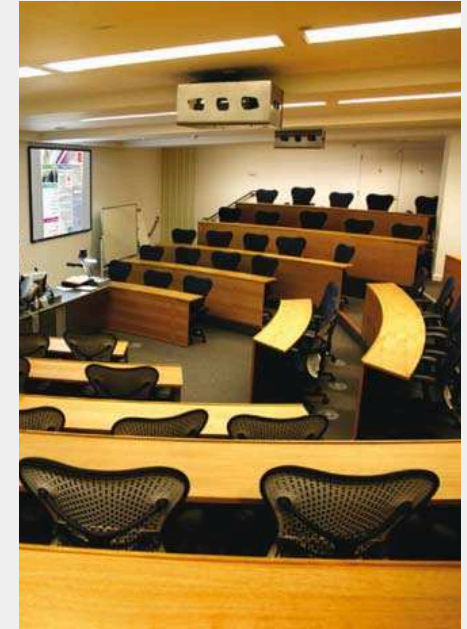
Picture caption

### LSE installs state-of-the-art AV from Asysco in new London campus

The London School of Economics and Political Science (LSE) was founded in 1895 and has an outstanding worldwide reputation for academic excellence. Asysco was asked to deliver an extensive, professional audio visual system for a new building on the Lincoln’s Inn Fields campus, set on the largest public square in London. A new AV solution was required to enhance LSE’s vast teaching, lecturing and broadcast facilities and to accommodate requirements of the press who are invited to record guest speakers.

An integrated solution was delivered on time, within budget and according to specification. Sophisticated audio visual equipment that incorporated the industry’s latest cutting-edge technology and provided an intuitive, accessible solution that users could operate at every point once the system was installed. AV equipment with standardised sources and professional presentation solutions were installed in every teaching space, theatre and classroom.

A number of specialist areas were equipped with professional AV technologies including the 400-seat Main Lecture Theatre (including Control Room and Green Room); the Medium Lecture Theatre (130 seat); and the Harvard-Style Lecture Theatres.



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### One card does it all for students at Lyon 2

Launched in French universities at the beginning of the decade to provide students with access to all academic services, the multi-purpose student ID card was developed by Monecarte, a French company specialising in designing and marketing identification solutions and e-purse based payment solutions. Such projects are usually carried out in collaboration with Monecarte, universities’ IT departments, local authorities and student welfare organizations, as well as other partners that deal with all payment aspects.

The University of Lyon 2, with more than 27,000 students, is one such institution to adopt the multi-purpose card. The challenge was twofold: facilitate student and staff access to all services provided by the university and drill down on the behaviour of students (food, sports, and cultural preferences). With such an extended scope of applications, student ID at Lyon 2 stands as one of the most advanced in France.

A single student ID supports multiple applications: access control to the different areas of a campus,

including access to sport infrastructures and cultural activities, borrowing books, electronic signature for exams, management of student records and grade reports, and much more. It can also be used as an e-purse: the holder simply funds its e-purse account (known as ‘monéo’ in France) and then uses it to pay for meals at the cafeteria, buy snacks at a vending machine, or operate copy machines.

The university also benefits from this technology. For sports activities, the access control application ensures that all participants have paid their fees and are therefore covered by insurance.

### Bosch puts ACS International Schools at top of the class (ASC)

The advanced Praesideo Public Address System from Bosch Security Systems has been selected by SDD Sound and Light for use in an extensive project for the three campuses in southern England. With a combined area of over 300 acres, the ACS International School campuses in Cobham, Hillingdon and Egham enrol a total of 2,400 students, offering both day and boarding education. →

When ACS wanted to upgrade its small paging system, it turned to Staines-based installers SDD Sound and Light to provide a campus-wide system, which could be linked together to provide pre-recorded announcement and other advanced security features across the three sites.

SDD Sound and Light chose Bosch Praesideo, the world's first fully digital public address and emergency sound system, because unlike traditional PA systems, which connect all elements to a central controller, Praesideo uses a network configuration, thus offering outstanding flexibility in terms of zone assignments and numbers, call stations, audio inputs and outputs. Working in the digital domain brings unparalleled functionality, excellent sound quality and virtually limitless possibilities since system elements can be connected to practically any point.

At each of the ACS International Schools sites, engineers split the campus into different paging zones, enabling individual control access across the zones to target specific areas. The largest campus, Cobham, was split into some 70 zones ensuring that emergency/PA messages can be sent out to individual or multiple zones as required. Fibre optic cabling links the buildings, thus ensuring signal integrity and allowing for considerable distances to be covered. In addition, the systems are linked over the Internet enabling pre-recorded announcements to be sent out simultaneously across the campuses, and allowing for the entire system to be monitored both in-house and remotely at the SDD offices.

Picture caption

Raytec extend lighting amnesty globally

There has been a widespread positive response to the ground-breaking 'scrap-and-save' 'Lighting Amnesty' scheme launched by Raytec this winter. The company has extended the amnesty in the UK until the 31 March and are now opening it up to international customers via participating distributors.

The new scrap-and-save scheme offers installers cash back to make the switch from wasteful CCTV lighting to new energy saving LED technology and helps end users to significantly reduce power consumption, CO2 emissions and running costs. During the 'Lighting Amnesty' Raytec is offering free site surveys and energy reports detailing the annual CO2 and cost savings made by switching to low energy LED illuminators from Raytec.

Ashwin Lal, MD of Visual Security Systems, said about the success of the Lighting Amnesty: "It proved to be a win-win situation, allowing us to approach new and existing customers saving them energy and money."

Ashwin added: "Traditionally, IR has been the professional choice for security installers. However, as Raytec's dedicated White-Light products become increasingly popular in the market, the amnesty allows us to re-approach our customers and offer them additional savings for both IR and WL applications."

For more information please contact +44 (0) 1670 520055 or email [catherine.mcelroy@rayteccctv.com](mailto:catherine.mcelroy@rayteccctv.com).

