

News Release

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A UK first for Apollo Education and NUDURA

Apollo Education has become the first major construction company in the UK to trial NUDURA's Insulated Concrete Form (ICF) technology. Specified for the £24.9m Inclusive Learning Campus project at Woodside High School site in London's Wood Green, the unique building envelope solution forms part of a project to amalgamate two special schools with the existing mainstream school

The cutting edge NUDURA ICF system was chosen by Apollo for its ability to accelerate the build process, its contribution to energy efficiency and its design flexibility. For phase two of the project, the system will be used to construct the building envelope to a new two-storey teaching block and special needs unit.



Expert at working in live school environments, Apollo's use of NUDURA formed part of a wider plan designed to cause minimal disruption to the school. NUDURA forms have enabled each building envelope to be made watertight earlier in the construction programme than traditional methods and have permitted fitting out to commence some six to eight weeks sooner than with conventional block work. Moreover, even the freezing winter conditions did not delay the build, since concrete can be poured in temperatures of up to minus 30 degrees.

The Inclusive Learning campus is being constructed with sustainability firmly in mind and NUDURA can contribute significantly towards achieving greater overall energy efficiency through good thermal insulation and air permeability. Typically, air permeability achieved is greater than that for zero carbon homes at three cubic metres per sqm. In 2010, NUDURA ICF technology was used to build the first zero carbon school in the USA.

All forms are produced from recycled or recyclable material, using no ozone depleting processes, producing little waste during construction and emitting no CFCs or HCFCs.

The NUDURA system also offers design flexibility over modular pre-cast concrete options and so Apollo was able to accommodate a design which replicated the architectural features of Woodside's other existing buildings.

Apollo Education's project manager John Hill said: "Apollo is experienced in working in live school environments and the NUDURA system has given us additional assistance in successfully meeting a challenging schedule for our client and in meeting our sustainability goals. The system has the added benefit of flexibility of design."

Terry Smith, director of the Clark Smith Partnership, added: “The NUDURA system has been well thought through and the product fits together very well using the special corner pieces. The propping system, with integral working platform, leads to simplicity and efficiency.”

Jean Marc Bouvier, technical manager for NUDURA, said: “The builder friendly aspects of the NUDURA system made for an easy transition for Apollo as this was their first experience with this type of building system.”

Earlier this year, NUDURA Corporation launched three new thermal inserts that improve the thermal performance of the building envelope to meet and exceed building regulations and Passivhaus standards.

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Media notes

About Apollo Property Services Group:

- The Apollo Group is one of the fastest-growing property services providers in the UK, operating for clients within the housing, education and public sectors.
- Apollo’s projects range from major social housing regeneration schemes through to the delivery of fast track school improvement works and the construction of new educational facilities, as well as projects for health, leisure and the emergency services.
- The business employs approximately 1000 people and its annual turnover level exceeds £350 million. It has a forward order book of approximately £1 billion. Its recent expansion includes new offices in Peterborough, Gillingham (Dorset), Glasgow, Wales, Tamworth and Sheffield.

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About NUDURA Corporation

- NUDURA Insulated Concrete Forms (ICF) provides design professionals, architects, home owners and contractors with a more efficient way to build concrete homes and commercial ICF structures
- Building with NUDURA Integrated Building Technology allows concrete homes and commercial buildings to be of stronger construction, more energy efficient, more comfortable and more environmentally friendly.
- NUDURA ICF benefits include long term value and affordability, faster and more efficient construction, limitless design capabilities, flexibility and simplicity, and installer friendly building systems.
- NUDURA provides substantial green building benefits, is a member of the Sustainable Building Association, and is proud to contribute to the LEED (Leadership in Energy and Environmental Design) Program.

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About Clark Smith Partnership

- Clark Smith Partnership is an independent firm of Consulting Civil and Structural Engineers based in Aldgate, London
- The Practice currently enjoys commissions throughout the UK and in Gibraltar on new build and refurbishment projects, including office, commercial and public buildings and structures.

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