

Graphisoft UK Education

Supporting Education in the Built Environment

At Graphisoft®, we have a strong belief that today's students drive and shape the future of the built environment industries. Construction is 8% of the UK's GDP and 22% of Ireland's GDP, so tomorrow's architecture and construction graduates can make a huge impact on the economy, and therefore need to be provided with access to the very best training, equipment and tools available. Graphisoft has risen to this challenge by putting together a comprehensive education initiative, which contains software and learning and teaching materials, all provided at no charge. This is an unprecedented level of commitment to education in the Built Environment and we are prepared to "give-away" over £250M of software over the next 5 years.

Through this initiative we expect to accelerate the transformation of the built environment industries which, historically, have shunned much of the performance improvement available through the adoption of new technologies. With access to leading edge, proven technology, the UK and Ireland will be equipped to produce graduates who can ensure their built environment industries are "best of breed" in the 21st Century. We've called this initiative "Built Environment Future Foundations", as this conveys the huge impact we believe this initiative will have.

Our conviction of the need for Built Environment Future Foundations is shared by government, professional bodies, industry and academia:

"Construction is one of the UK's largest industries, employing almost 2.5 million people – that's 1 in 14 of the entire workforce. It is also outperforming the economy as a whole with projected average growth of 3% per year. This success means that the requirement for new recruits is high; our current forecasts predict a requirement of 87,000 new recruits each year until 2010 – so an initiative, such as Graphisoft's, which provides young people with the technological support to help them develop the skills and boost their creativity needed for a career in the construction industry is more than welcome and receives our full backing."

Paul Sykes, Recruitment Manager, CITB-ConstructionSkills

"Information drives efficiency in the construction business – so it's perhaps not surprising that Mace has harnessed the benefits of Graphisoft technology to strengthen the link between good architectural design and best practice construction."

Stephen Pycroft, Chief Executive Officer, Mace Limited

"The entire building industry is moving towards Building Information Modelling (BIM). There will be a continuing and growing demand and Archicad is the premier tool to answer that need. There is no doubt that we would preferentially employ graduates who are trained in Archicad."

Ben Wallbank, BSc, DipArch, RIBA, Project Director,
John Robertson Architects

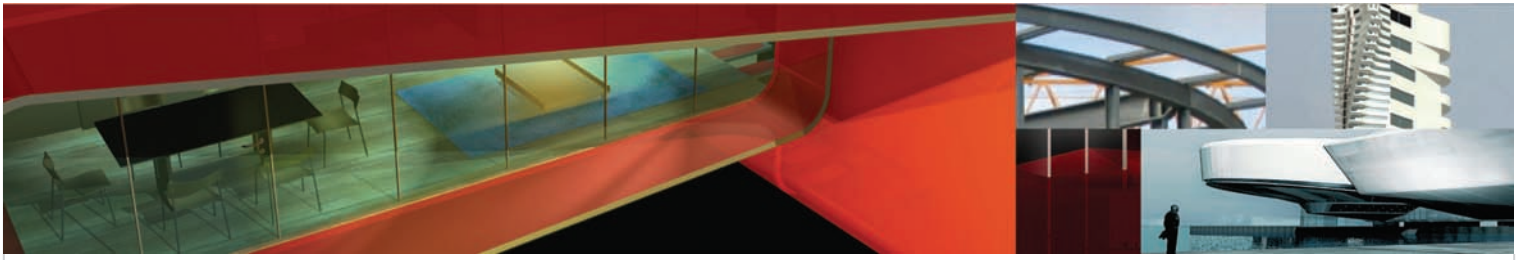
"The Academic initiative from Graphisoft is very much welcomed. We in the industry have wrestled for many years with the issue that, whereas Architects "think" in 3D they produce mostly 2D technical drawings. Clients for the most part do not understand 2D technical drawings and yet are asked to sign off this technical paperwork thereby starting the process of miscommunication and rework. If we produce students trained in modern 3D technology we will help solve one of the major problems that beset the Construction Industry."

Chris Woods, Research and Development Director,
Wates Group

"This program is potentially very exciting for the Architecture profession because if Universities link 3D architectural designs with the ability to produce instant estimating and project scheduling we will have a whole new generation of young Architects not just producing incredibly creative building designs but also understanding the effects of their designs on the ability to deliver them on budget and on schedule."

Rory Bergin, Project Manager, HTA Architects Ltd.





"In our world-leading 3D and other-dimension (nD) modelling project we are researching cutting edge optimizations in building lifecycle management for the benefit of construction stakeholders. Only IFC compatible, cross-platform integrated Archicad gives us the ability to create a true IFC-based building model to enable cross-platform sharing of design information with a tool that assesses different design criteria such as whole-lifecycle costing, acoustics, environmental impact, crime and accessibility required at each stage of the lifecycle of a building facility.

Thus as the creators of the best design tool for both architecture and construction used by some of the best architects globally, including Chad Oppenheim and his team in Miami, Michel Rojkind in Mexico City, Axel Schultes' office in Berlin and many others, we're delighted to see Graphisoft's commitment to Education."

Professor Ghassan Aouad - Head of School of Construction and Property Management and Director of the IMRC EPSRC Funded Salford Centre for Research and Innovation (SCRI) at the University of Salford

To learn more about Graphisoft's investment in Education please visit: www.graphisoft.com/community/education/



Introduction to Graphisoft

Graphisoft, a European company, is the pioneer and leader in developing Virtual Building™ (Building Information Modelling) solutions. It is widely acknowledged as the world's number one supplier of model-based software and services for the built environment. Its clients are at the forefront of their industry – delivering projects that are better designed, more predictable to construct and less expensive to operate.

In its 24-year history, Graphisoft has revolutionised architectural design and communication with its Virtual Building concept, introducing many innovations that are now considered essential to CAD, including object-based 3D modelling, building simulation and collaborative architecture. Its building design software – Archicad® – has been used to complete over 1,000,000 projects worldwide, and has enabled users to achieve productivity gains of 40% and profit improvement of 12%.

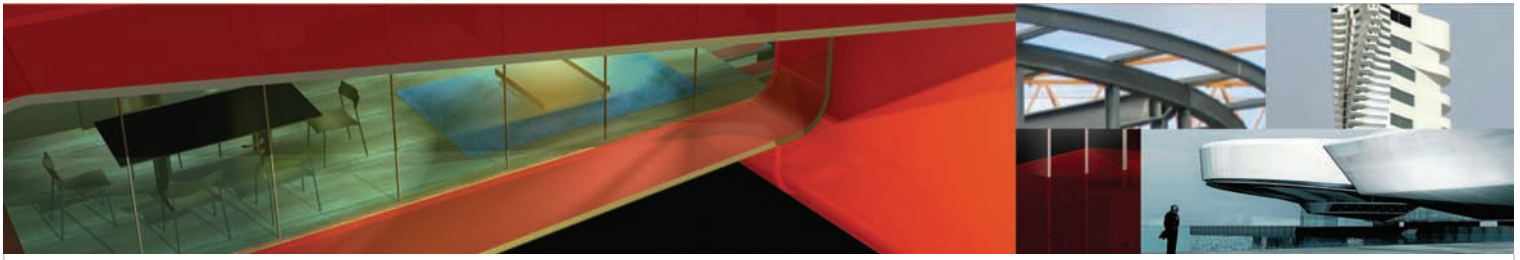
The Virtual Building concept also now is benefiting construction companies through the provision of 5D Virtual Construction™ software and services. This unique solution comprising construction modelling, model-based estimating and costing, Line of Balance scheduling, and on-site project control, provides users with savings of 10% on project completion times, and cost savings of upwards of 3% on every project.

To discover more about Graphisoft, Archicad and Virtual Construction visit <http://www.graphisoft.com/products/>

Built Environment Future Foundations

The first phase of Built Environment Future Foundations, available now, is focussed on building design, interior design, and related design disciplines. Students, tutors, teachers, educationalists and educational establishments can receive Archicad software, learning and teaching materials, training and technical support. Additionally students are provided with assistance in finding placement or permanent employment.

The second phase of Built Environment Future Foundations is focussed on the planning, estimation, scheduling and project management of construction projects. With a similar structure of deliverables this is planned to be available in early 2007.



Built Environment Future Foundations – Design

The Education package for architecturally based design comprises:

1) FREE of charge individual Archicad licences:

This is the current and full version. A personal license is available to all students in the UK and Ireland, whether they are in primary, secondary or tertiary education and to those who teach or lecture in education establishments or organisations.

To apply for a free copy of Archicad, please visit:
www.graphisoft.com/community/education/downloads

2) FREE of charge networked Archicad licences:

Education establishments requiring site wide Archicad can implement a network version of the personal license. To minimise time and fuss, site wide implementations of Archicad will self install onto desktops across the network.

Site wide licenses are available on application to Graphisoft at <http://info.graphisoft.co.uk/tutor>

3) Student website

This site enables students to upload images of their work for review by both peers and commercial practices. Students are able to get feedback on their designs, get inspiration from others and also get themselves noticed by potential employers. Graphisoft also run competitions on this site where students can receive both acclaim and prizes.

To review this website, please visit: www.architectsjury.com

4) Professor's Forum Website

This site is for teachers/tutors who wish to network with peers from around the world. All the latest Graphisoft announcements relating to education, curriculum updates and latest releases are posted here. This site offers teachers/tutors inspiration, support and guidance from other educationalists and the ability to collaborate and pool resources.

Membership to this Forum is available on application to Graphisoft at <http://info.graphisoft.co.uk/tutor>

5) BIM (Building Information Modelling) Curriculum

Developing the materials to teach new technology and ways of working is very time consuming for educationalists. Graphisoft has taken much of the pain out of this by providing a one semester course which provides all the necessary teaching notes, additional resource suggestions, MS PowerPoint presentations, student notes and step-by-step hands-on lab sessions.

To review a sample of the Curriculum, please visit:
<http://info.graphisoft.co.uk/tutor>

6) Self Teaching and other Support

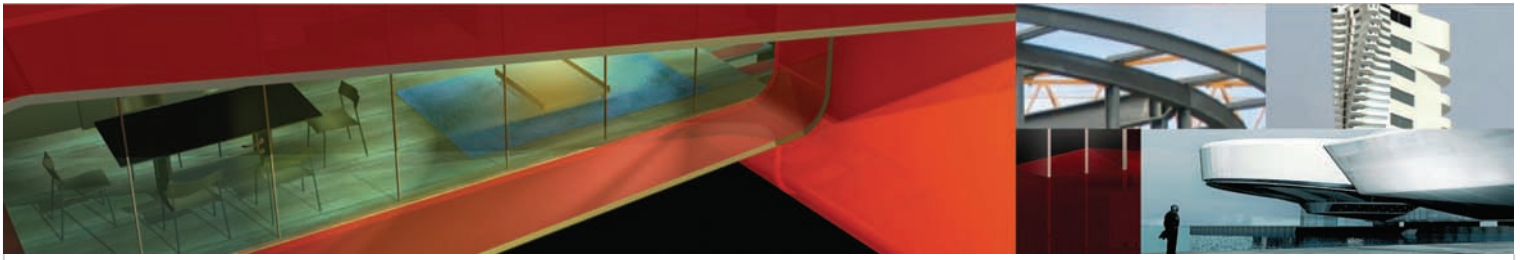
In addition to the BIM curriculum, there are other resources available at no charge, including a comprehensive interactive training guide which provides 10 easy steps to understanding the main functionality of all of the component parts of Archicad, and provides 15 hours CDP credits.

To review the Interactive Training Guide, please visit:
<http://www.graphisoft.com/products/archicad/ac10/ITG/>

Web based resources are also available and www.archiTalk.com provides a "chatroom" with other Archicad users whilst www.archicadWiki.com provides technical information on Archicad.

Videos clips from great architects worldwide describe what inspired them, how their vision developed and their advice to students. These architects are passionate about virtual modelling and want to help foster its use in education.

To download these video clips please visit:
<http://www.graphisoft.com/community/education/rockstars/>



To review both local and world-wide case studies please visit: www.graphisoft.com/community/success_stories/

To review books on Archicad and the literature resource list please visit:

www.graphisoft.com/support/archicad/documentation

7) "Training the Trainer"

Changes in the Built Environment world, including the wider adoption of BIM, have happened at such a pace that alongside supporting the student's learning, Graphisoft believes it must also provide training for tutors who are responsible for delivering the BIM Curriculum / Archicad to students. "Training the trainer" so that teachers/ tutors are equipped with the right knowledge and confidence to deliver excellence in their courses, will be a key part of the success of Built Environment Future Foundations. As a condition of receiving the BIM curriculum and site-wide software, educational establishments must also commit at least one member of their teaching staff to attend a 2 day training course. There is a small charge for the course.

For more information on this training course please visit: <http://info.graphisoft.co.uk/tutor>

8) Technical Support

Once both staff and students begin to use the software, and enjoy experimenting, they soon push their knowledge boundaries. Typically additional expert help is required and to provide access to this, and also to resolve complex technical issues should they arise, a condition of receiving

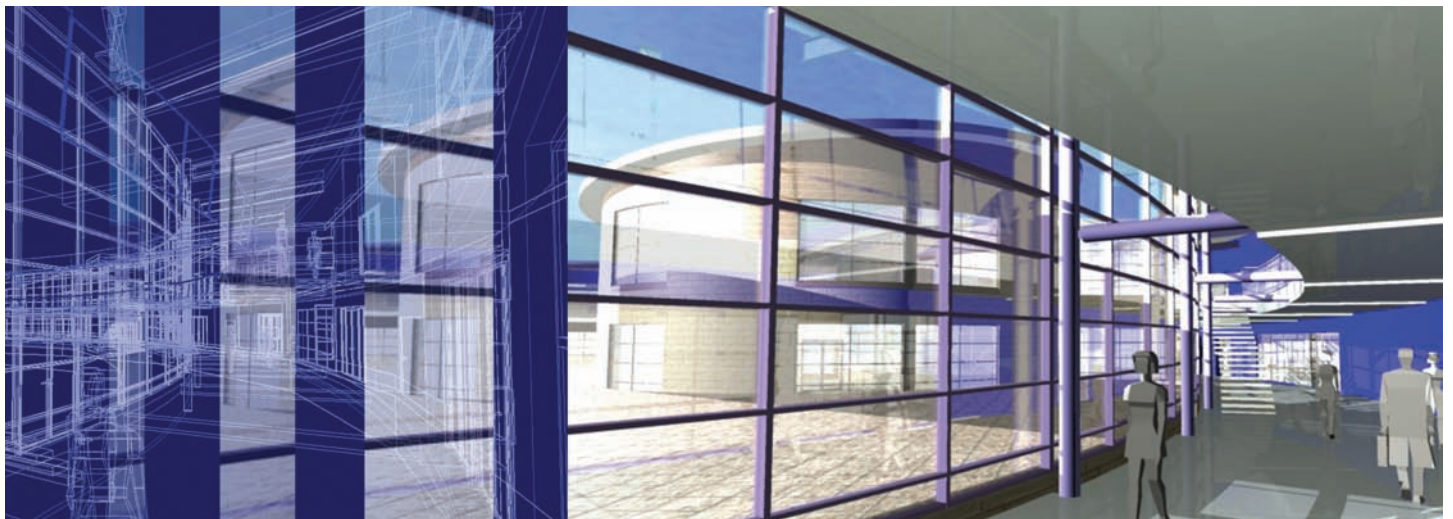
the site-wide licenses/Curriculum is that educational establishments enter into a support agreement with a Graphisoft accredited Reseller. Called the "Education Advantage Service" this support service has a small annual fee.

For more information on the Education Advantage Service please visit: <http://info.graphisoft.co.uk/tutor>

9) Employment of Students

To support students in finding employment at the end of their course, they are able to receive an "Employment Voucher". The student is required to complete an on-line competency test in Archicad. With a "pass" the student can apply for the voucher which their new employer can use to purchase an additional license of Archicad at a substantial discount off the then list price. Not only does this reduce the cost of employment for the employer but it also confirms the student's competence in using BIM software.

To find out more, or if you have comments about, Built Environment Future Foundations, please email Jenny Hamm, Education Programmes Manager, Graphisoft UK Limited, at ac-education-support@graphisoft.co.uk



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Built Environment Future Foundations

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