

Vectorworks UK Ltd



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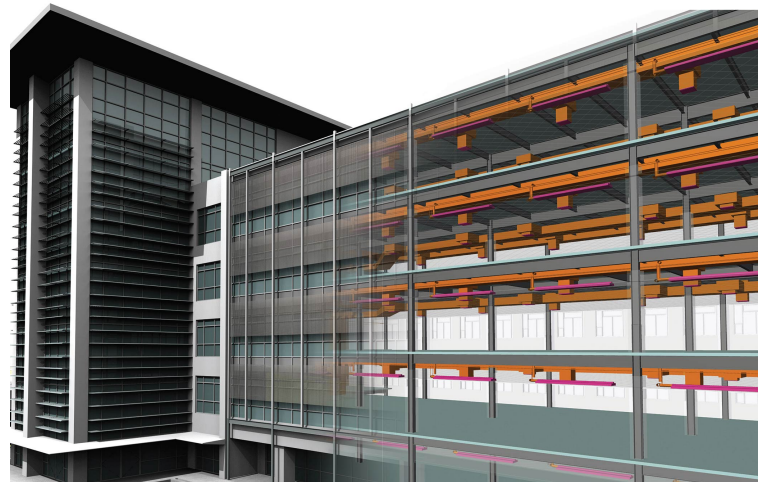
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CPD Overview

Vectorworks, Inc. is an award-winning design and BIM software provider serving the architecture, landscape architecture and entertainment industries in 85 countries. Built with designers in mind since 1985, Vectorworks software offers you the freedom to follow your imagination wherever it leads you. Globally more than 685,000 users are creating, connecting and influencing the next generation of design with Vectorworks on Mac and Windows. Headquartered in Columbia, Maryland, with offices in the UK, Canada and Australia, Vectorworks is a part of the Nemetschek Group.

Vectorworks Architect

Built to showcase your skill and creativity, Vectorworks Architect allows you to sketch, model and document in a fully integrated workflow with the world's most design-centric BIM solution. With superior 2D graphics, 3D modelling and visualisation tools, Architect is built to deliver absolute creative expression and maximum efficiency. With everyday performance improvements that leave more time to design, Vectorworks Architect 2023 brings significant updates that will accelerate your workflow without getting bogged down by technology, including modernised architectural objects and better use of data and resources for more precise BIM models and documentation. Empowering you to design without limits.



Available CPD Material (4)



Understanding Embodied Carbon in Architectural Projects

Sustainable architecture is becoming more important than ever as the AEC industry is working to reach carbon reduction and sustainability targets. The presentation discusses standards, guidance, data sources and legislation driving embodied carbon to the front of the sustainable construction conversation, and delves into the standard methodology to calculate it in architectural projects. It will show how to approach assessments from early design stages as well as in advanced stages, and how to assess carbon for the whole lifecycle of projects.

By the end of the seminar you will be able to:

- Understand project lifecycle stages and how carbon is assessed for projects' whole lifecycle,
- Know the difference between embodied and operational carbon and their importance to reducing carbon footprints,
- Calculate embodied carbon using material properties, material quantities and embodied carbon data
- Assess embodied carbon in product, transport, construction, use and end of life stages
- Know how to do early and advanced stage assessments and where to find data sources for embodied carbon.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**
Sustainable architecture

Knowledge level: General Awareness



Operational Energy Basics For Sustainable Architectural Design

Energy and climate crisis pose big questions to Architects and in order to start answering them, knowledge about some of the most used terminology and concepts of sustainable architecture is necessary to deliver quality designs.

This CPD will go through project lifecycle stages and whole lifecycle carbon assessments, operational and embodied carbon, before focusing on operational energy basics.

It will explain ideas such as form factor, building envelope, U-Values, thermal conductivity, solar heat gains, shading, thermal bridging, airtightness, Part L Building Regulations and benchmarks such as RIBA 2030 Climate Challenge. Demystifying these concepts and understanding how to apply them in practice will lead to greater adoption of sustainable principles in architectural projects, leading towards a net zero future.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**
Sustainable architecture

Knowledge level: General Awareness



The Cube: Exploring Levels of Development and a 3D Workflow

This seminar looks at 3D modelling and how to transition from 2D to 3D. It will help you to understand the following topics:

- Levels of development and how much detail to model at what stage
- How to streamline workflow and provide associative deliverables such as schedules and sections
- How to manage your data and integrate British Standards and PAS information
- The advantages of working in 3D
- How to organise your data for BIM development

Material type:

Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



BIM - Your Next Step

The definition of BIM (Building Information Modelling) is now fairly well established, but as it takes a stronger hold, many questions still exist. This seminar aims to cover questions such as:

- What is design led BIM?
- How does an architecture practice begin, in degrees, to use BIM?
- How does the integration process work?
- Determining the right level of BIM for the project

Material type:

Seminar

RIBA Core Curriculum:

Business, clients and services

Knowledge level:

General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Special activities, requirements

Office and project management > Office management software

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*

Business, clients and services

Knowledge level: *General Awareness*