

Women in Rail / Women in Sustainable Rail Joint Event

Women in Property & Construction see page 2

Title of event	Carbon > Counting > Calculations Environmental Infrastructure CEEQUAL, PAS 2080, ICE V3 & GBC Infrastructure Bespoke Module
Event description	<p>An introduction to Sustainable Infrastructure/Rail</p> <ul style="list-style-type: none"> • Global Imperative & Carbon Accounting • Infrastructure/Rail is energy and carbon intensive • Imported materials: Cement, Concrete, steel, timber, plastics, petro-chemicals • Heavy haulage of concrete, aggregates, soil, steel or waste • Labour Miles: rail v trucks <p>Introduction to carbon accounting in Infrastructure development.</p> <ul style="list-style-type: none"> • National Rail Specifications: misunderstandings and lost opportunities • CEEQUAL Infrastructure Environmental Assessment Method to stop the rot • Embodied Energy to Sequestered Carbon and Life Cycle Analysis • ICE Inventory of Carbon and Energy as one data source • ICE V3 with Infrastructure materials/products datasets and haulage datasets • LCA databases and rapidly growing data sets • BSRIA carbon accounting for services: rules of engagement • Belgium's approach to 'fine not tax' development and substitution • CAD & BIM Apps: ready to interrogate the models and datasets? • Or getting ahead of the game and doing it for yourself in Excel • Green Building Calculator Future Infrastructure Module readymade parts • Excel for now, BIM later
Objectives <i>List learning objectives or outcomes</i>	<p>After this session, participants will understand:</p> <ul style="list-style-type: none"> • Basics of Embodied & Sequestered Carbon & In use Energy & Carbon • Importance of material choices and in particular cement replacement • Impact of road and rail transport in LCA & role of consolidation centres • Data sources and rules of engagement for carbon accounting and calculating • Route towards carbon accounting or doing it yourself ahead of the curve • The risks of product or material substitution on the carbon count • The importance of robust specification to control substitution, getting it right
Target audience Aimed at which audience groups	<ul style="list-style-type: none"> • Rail & Road Services Infrastructure Engineers, Designers & Specifiers • Cost Controllers, QS, Value Engineers and Buyers • Environmental Performance Contractors • CEEQUAL users and assessors • Carbon Counting Consultants
Approx. length of event	30 minutes plus Q&A requested

Women in Property & Construction

Title of event	Carbon > Counting > Calculations Environmental Infrastructure Introduction to BREEAM, ICE V3 & GBC Green Building Calculator V1 & V2
Event description	<p>An introduction to Sustainable Property & Construction</p> <ul style="list-style-type: none"> • Global Imperative & Carbon Accounting • Property & Construction is energy and carbon intensive • Imported materials: <ul style="list-style-type: none"> ○ Cement, Plastics, Chemicals, Steel, Metals ○ Timber, timber-based & bio-based products • Heavy haulage: concrete, aggregates, soil or waste • Labour Miles <p>Introduction to carbon accounting in Property & Construction.</p> <ul style="list-style-type: none"> • National Building & Engineering Specifications: Competence first Environmental last • BREEAM & Ska Environmental Assessment Method • BRE Green Guide to Specification: Elemental and Generic v component specific • Embodied Energy to Sequestered Carbon and Life Cycle Analysis • ICE Inventory of Carbon and Energy as one data source • ICE V3 with materials datasets based on Products and Generic materials • LCA databases and rapidly growing data sets • BSRIA carbon accounting for services: rules of engagement • Belgium's approach to 'fine not tax' development and substitution • CAD & BIM Apps: ready to interrogate the models and datasets? • Or getting ahead of the game and doing it for yourself in Excel • Green Building Calculator Property already included • Excel for now, BIM later
Objectives <i>List learning objectives or outcomes</i>	<p>After this session, participants will understand:</p> <ul style="list-style-type: none"> • Basics of Embodied & Sequestered Carbon & In use Energy & Carbon • Importance of material choices and in particular cement and plastic replacements • Impact of transport in LCA & role of consolidation centres • Data sources and rules of engagement for carbon accounting and calculating • Route towards carbon accounting or doing it yourself ahead of the curve • The risks of product or material substitution on the carbon count • The importance of robust specification to control substitution, getting it right
Target audience Aimed at which audience groups	<ul style="list-style-type: none"> • Property & Construction Designers & Specifiers, Engineers, Constructors, FM & PM • Cost Controllers, QS, Value Engineers and Buyers • Environmental Performance Contractors • BREEAM, & Ska users and assessors • Carbon Counting Consultants
Approx. length of event	30 minutes plus Q&A requested