

# The Supply Chain Sustainability School: Collaborating for Sustainability

IPAF, 18<sup>th</sup> Nov 2021

James Cadman, Action Sustainability

## **Agenda**

- Who's heard of the School?
- Background to the School and our mission
- How the School can help
- The School's Groups: Plant, and Carbon

## Our mission

"To be the world class collaboration to enable a more sustainable built environment"

## The School is a common approach to...

- 1. Assessing supply chain sustainability competence
- 2. Developing suppliers' sustainability knowledge



17,000+ companies 60,000+ individual learners

## 140+ Partners leading our Work

https://www.supplychainschool. co.uk/partners/

































































































































































































































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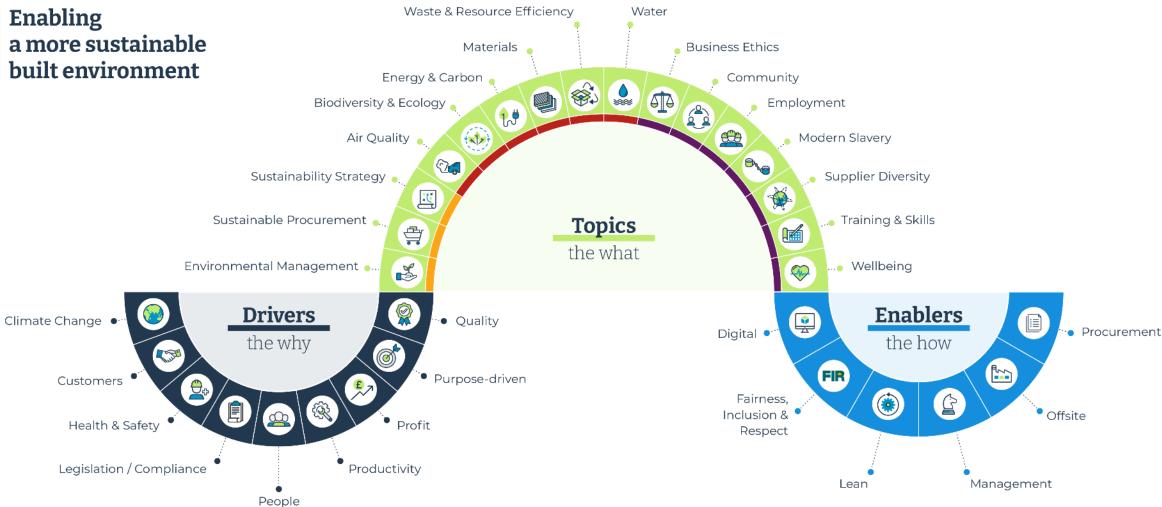


# How the School can help

## Seven key topic areas







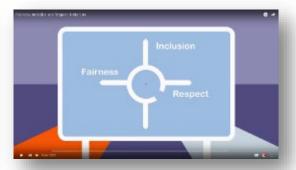
## Variety of learning resources

Video based toolbox talks, 300 selected videos, 120+ e-learning modules

CPD Events & Workshops



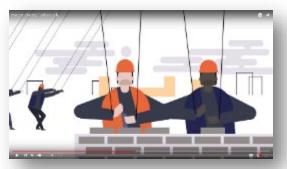
Fairness, inclusion & Respect



E-Learning



Web Pages



Toolkits



Video Sustainability Shorts





#### All resources

SUPPLY CHAIN SUSTAINABILITY

SCHOL

Showing 12 of 119 results

TOPIC: SUSTAINABILITY X

ISSUE: BIODIVERSITY & ECOLOGY X



Biodiversity: An Introduction

Peter Johnson, Environmental Manager at Kier Group, talks ...



Biodiversity: A Client Example

How construction projects must consider biodiversity in ...



Biodiversity: A Contractor's View

Peter Johnson, Environmental Manager at Kier Group, talks ...



M&S' Greenest Store: Cheshire Oaks

Improved existing and created new habitats to encourage ...



Designing for Wildlife Passage

Designing for Wildlife Passage in an increasingly ...



Valuing Nature

An introduction to the 'Valuing Nature Programme'.



Natural Capital & Ecosystem Services

Video which provides an introduction to Natural Capital ...



Biodiversity in the built environment -VINCI

Biodiversity in the built environment -VINCI Facilities



Supply Chain Management in Wales - VINCI

Supply Chain Management in Wales - VINCI Facilities



**Ecosystem Services** 

Video introducing and providing some basics on ecosystem ...



Put a value on Nature! TED Talk

Exploring the value of ecosystem services



What is Natural Capital and why is it so important

Video providing an introduction t Natural Capital from ...

## Virtual Training & Meetings









What	Virtual Workshop	Lunch n Learn	Business Bytes	Leadership Groups
Length	3 hrs	30 mins- 1 hr	1.5-2 hrs	1.5-2 hrs
Attendee limit	16-24	500	500	N/A (Group size)
For	Interactive session with break out group and audience engagement	Build knowledge or learning on specific topics or School use	Host a multiple speaker presentation to engage on topics / strategies	

## Workshops

Choose from our workshop catalogue of **over 40 workshops** on topics covering all elements of the School

- Fairness, Inclusion & Respect
- Carbon & Climate Change
- Offsite for Designers
- Circular Economy
- And many more....



#### Workshop Catalogue 2020

All workshops in this catalogue are available virtually, in a modified, shortened format optimised for digital platforms.

#### Sustainability

Introduction to the School – This session will provide you with a closer look at how the School works, and how you as a business can take full advantage of its resources and features. You will get a chance to complete your self-assessment, create a bespoke action plan, and start to look at the resources recommended for your skill level.

Introduction to Sustainable Construction – The workshop will provide you with an introduction to sustainable construction, its development, the place of sustainability in the different stages of construction, social and environmental themes to be considered and factored-in to the construction process, different standards, the place of the contract and industry assessment schemes including examples of good practice.

Sustainability Strategy— This half day workshop is designed to help businesses to understand the steps they need to take to develop a sustainability strategy proportionate to their size and type of business. It is a short introduction to the subject matter and to the School.

Sustainable Procurement – This workshop is aimed at procurement professionals who already understand the key principles of Sustainable Procurement, may well have a sustainable procurement policy, but have not moved beyond this initial stage to fully embed sustainable procurement principles into their current procurement processes.

Transparency in Supply Chains – Whether it is understanding your carbon footprint, identifying issues of labour exploitation in your supply chain or just needing to understand the risks to your organisations operation through the threats to supply, transparency in supply chains has never been more important. This 3-hour workshop takes you through the principles of heatmapping, supply chain mapping and explores the potential strategies you can adopt to address the issues that are key to you and your organisation.

Integrating Responsible Sourcing into your sustainable procurement approach – This workshop will provide you with an overview of Responsible Sourcing, looking at the requirement that main contractors face of ensuring they are buying products or materials from a sustainable source, and the challenges that this raises for the supply chain. In addition to understanding the concept of Responsible Sourcing this workshop will look at the balance of Responsible Sourcing and Sustainable Procurement within organisations.

Meeting sustainability requirements in your clients' procurement processes – This workshop helps delegates understand how to best sell their sustainability credentials, providing them with top tips on how to win more business and better meet client sustainable procurement requirements.

Measuring & Managing Sustainability – This workshop will provide you with the knowledge and tools to help you to address the issue of measuring, reporting and managing sustainability of your projects.

E-learning library Sustainability			<u>Offsite</u>	<u>Management</u>
Air Quality	Green Infrastructure	Social Value – Part 1	DfMA	Collaboration
BES 6001 for Responsible Sourcing	Heat Mapping (prioritise impacts)	Social Value – Part 2	Offsite Manufacturing	Leading Change
Building Management in FM	Introduction to Biodiversity	Sourcing Sustainable Labour	Design: Product & Process	Innovation
Business Case for Sustainable Construction	Introduction to CEEQUAL	Sourcing Sustainable Plant	Logistics – Part 1	Project Management
Carbon in Infrastructure	Introduction to Materials	Sustainability in FM	Logistics – Part 2	Get it Right First Time
Carbon Reporting	Introduction to Waste	Sustainability and Groundworks	Onsite Assembly	Quality
Carbon Management for SMEs	Introduction to Water	Sustainability in Food & Drink	Best in Class Maintenance	Supply Chain Management
Circular Economy	Labour Practises in FM	Sustainability on Site	Offsite Systems	Marketing & Business Development
Circular Economy - Indicators	Life Cycle Analysis	Sustainable Construction	Offsite Sectors	Risk Management in Infrastructure
Climate Change & Carbon	Local and SME Spend in FM	Sustainable Construction in Wales	Offsite for Designers	Behavioural safety in Infrastructure
Reduce Carbon, Reduce Costs	Modern Slavery	Sustainable Drainage Systems	Offsite for Project Managers	<u>Lean</u>
Economy & Community	The Modern Slavery Act	Sustainable Homes	Offsite for Cost Consultants	Introduction to Lean
Energy & Carbon Efficient Buildings	Responding to the Modern Slavery Act	Sustainable Procurement	Offsite for Site Management	Collaborative Planning
Engaging a Diverse Supply Chain	Overheating in Homes	Sustainable Timber	<u>Procurement</u>	5s
Environmental Management	Performance Gap	Supply Chain Mapping & Modern Slavery	Procurement for SMEs	7 Wastes
Ethical Business (competitive advantage through)	Performance Measurement	Wellbeing for Future Generations Act, Wales	Cost & Value Based Procurement 1	Value Stream Mapping
Ethical Business – the basics	Plastic Waste		Cost & Value Based Procurement 2	Visual Management
Getting Value out of your EMS	Responsible Waste Mgmnt in FM		Managing Performance through Procurement	Lean: Train the Trainer
			Supplier Relationship Mgt	<u>Digital</u>
<u>Fa</u>	airness, Inclusion & Respe	Collaborative Procurement 1	Introduction to BIM	
Business case for FIR	Flexible working	Understanding Race & Culture 1	Collaborative Procurement 2	Cyber Security
FIR on Site: Why it matters	Invisible disabilities	Understanding Race & Culture 2	Collaborative Procurement 3	Digital Strategy
Recruiting, fairly and inclusively	Leading People Inclusively	FIR: Train the Trainer		Digital Investment
Setting up an inclusive site	Managing Challenging Conversations			Digital through Project Lifecycle

## **24 Sustainability Shorts**



Energy management efficiency -Sustainability Short

Featuring Zap the Energy Sap.



Waste Management -Sustainability Short

A short animation about how to reduce waste



Modern Slavery -Sustainability Short

Explains how any individual on site can help identify ...



Sustainability At Work - Sustainability Short

An introduction to sustainability for office and support ...



Environmental Management in FM -Sustainability Short

A quick look at the key things to consider



## Science Based Targets - Sustainability Short

You can't manage what you don't measure



Sustainability Strategy -Sustainability Short

How to develop your own and why



FIR Toolbox Talk: Mental Health and Wellbeing

Everyone experiences mental health; tips for maintaining ...



FIR Toolbox Talk: FIR Induction

Fairness, Inclusion and Respect can be an integral part ...



FIR Toolbox Talk: Language

This Toolbox Talk discusses language that is and is not ...



#### FIR Toolbox Talk: Respect

Behaviour on site that treats everyone with respect



#### FIR Toolbox Talk: Responsibilities

What responsibility employers have to employees, and vice ...



FIR Toolbox Talk: Wellbeing

Fairness, Inclusion and Respect (FIR)
- Wellbeing toolbox ...



Waste in FM: a Toolbox Talk

Discusses the issue of waste in the FM sector.



Community Liaison -Managing Conflict: a Toolbox Talk

Daily issues faced when dealing with the wider ...



Water: a Toolbox Talk

Why water is a significant issue for the construction \_



#### Air Quality: a Toolbox Talk

What factors can affect air quality, and how poor air ...



#### Biodiversity: a Toolbox Talk

An introduction to the important issues involved with ...

## "Topic specific" self-enrol Learning Pathways

- Sustainability: An Introduction
- Sustainable Procurement Level 1
- 🜿 Sustainable Procurement Level 2
- Sustainable Procurement Level 3
- 🛂 Sustainable Procurement Level 4
- Sustainable Procurement Level 5
- Procurement for Beginners
- Procurement for Practitioners
- Introduction to Climate Change & Carbon
- 🜿 Carbon Reporting
- Carbon in Procurement
- Net Zero Carbon & Offsetting
- Offsite Fundamentals
- Introduction to Lean Construction
- Sustainable FM Level 2

- Modern Slavery: An Introduction
- Modern Slavery: Due Diligence
- Modern Slavery: Site Materials
- SFIR Ambassador
- Waste and Resource Efficiency An Introduction
- Waste and Resource Efficiency for FM An Introduction
- Waste, Resource Efficiency & Circular Economy In Scotland: Part 1
- Waste, Resource Efficiency & Circular Economy in Scotland: Part 2
- Social Value: Defining and Delivering
- Social Value: What is it and Why is it Important?
- Wellbeing: An Introduction 2021
- 🜿 Wellbeing & The Built Environment 2021



## Sustainability Impact 2021



63% reduced carbon emissions

39%

agree the School helped achieve this



57% reduced

waste

41%

agree the School helped achieve this



69%

increased modern slavery understanding

65%

agree the School helped achieve this



68%

increased understanding of FIR

68%

agree the School helped achieve this



38% increased community engagement



44% increased understanding of responsible sourcing



38% increased apprentice numbers



44% improved air quality



37% reduced water consumption

48% agree the School helped achieve this

agree the School helped achieve this

agree the School helped achieve this

40% agree the School helped achieve this

33% agree the School helped achieve this



50% reduced costs



47% win new business



61% more collaborative

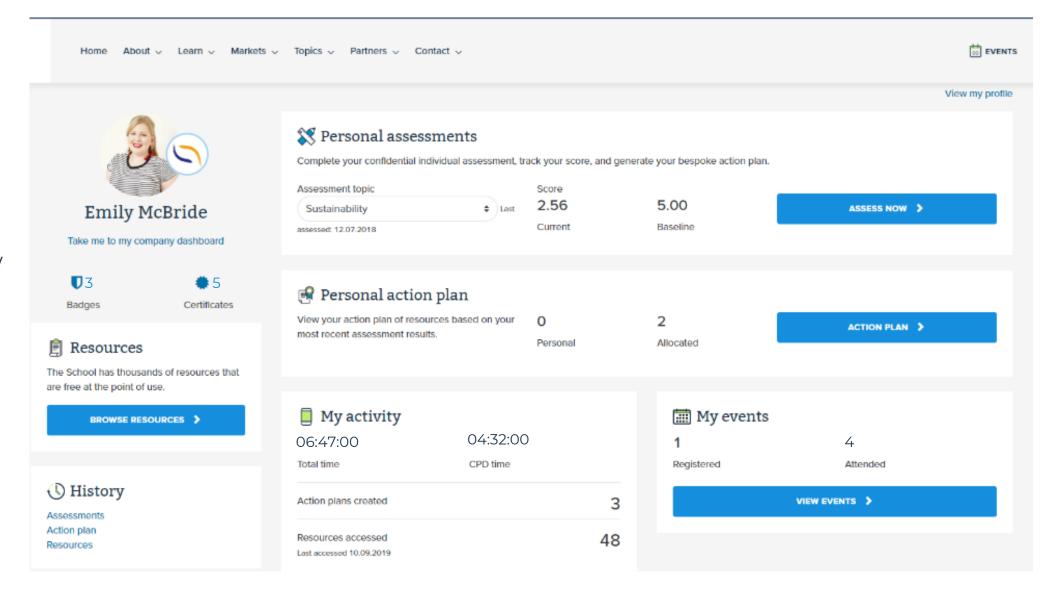
## School impact on business performance





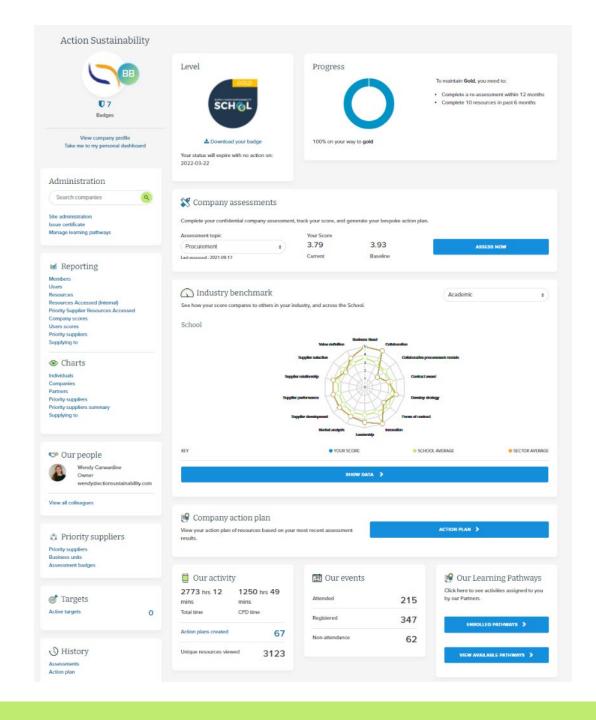
## Personal dashboard

Individuals can use the School for their own professional development, and export reports to show resources viewed / CPD time accrued.



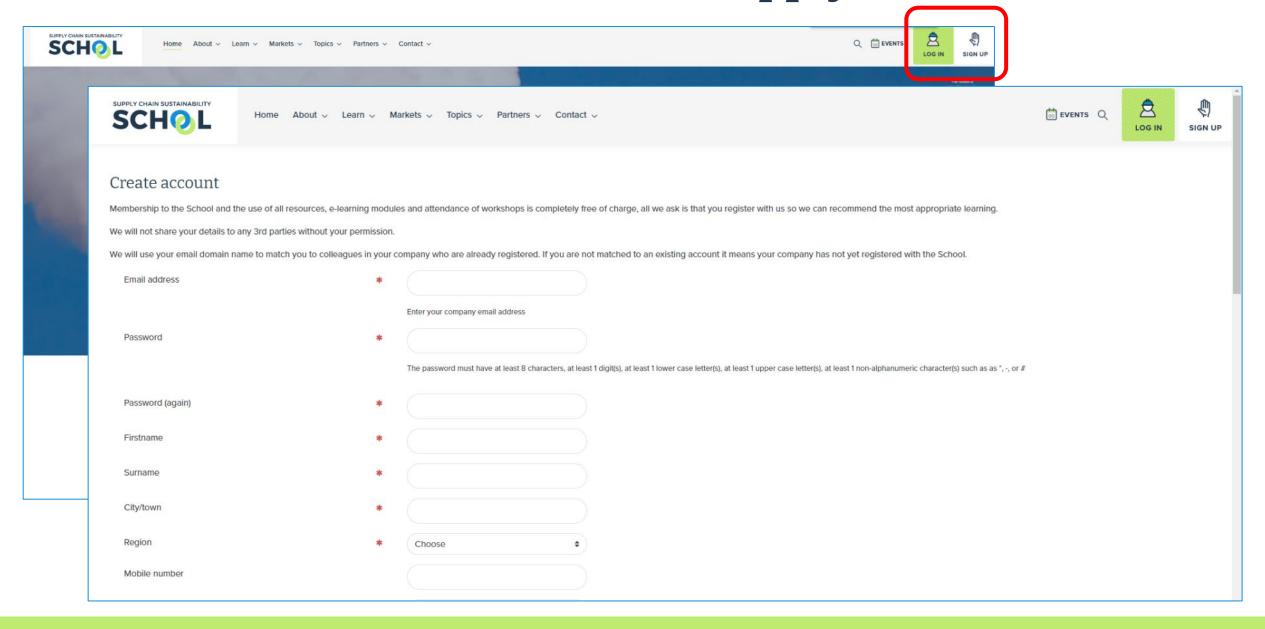
## **Company dashboard**

Each supplier company who becomes a member gets their own sustainability dashboard to track progress and action plans. All colleagues with the corporate email domain will be grouped into the company account

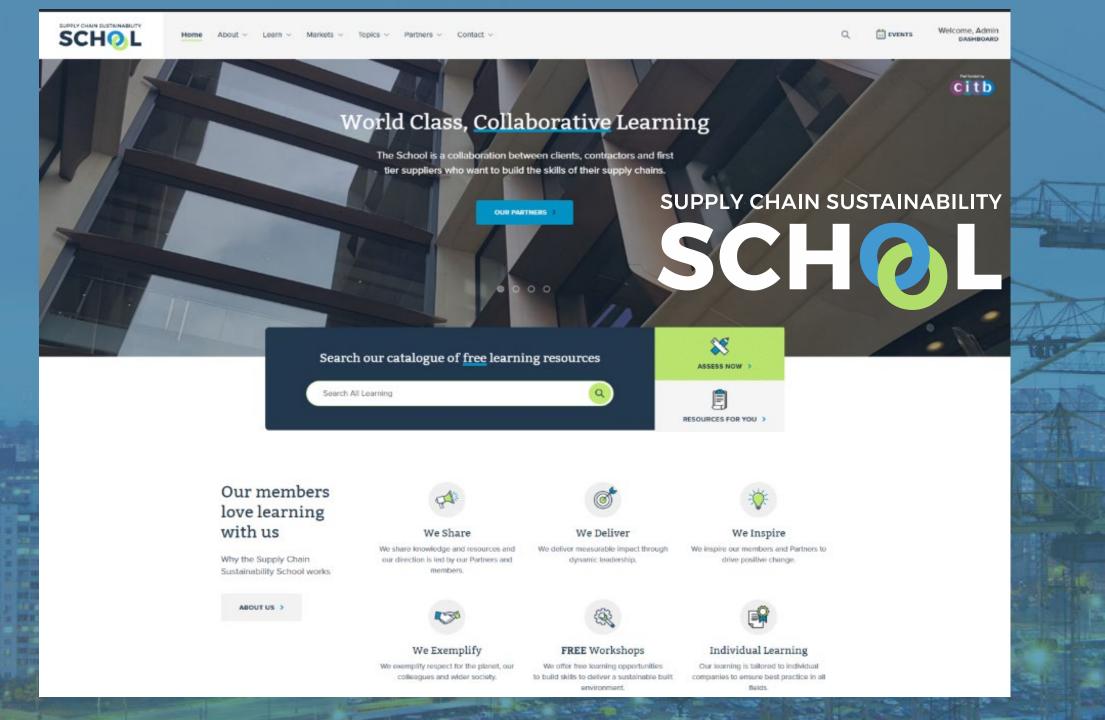


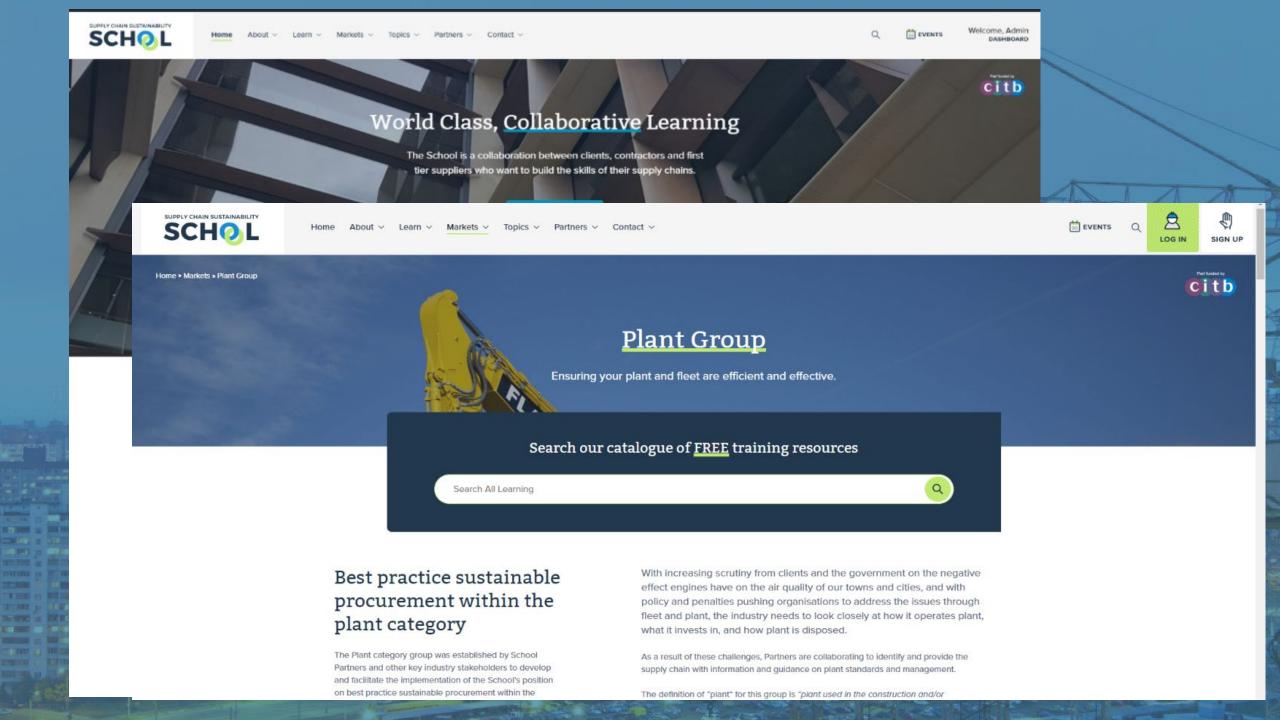
# How do I become a Member?

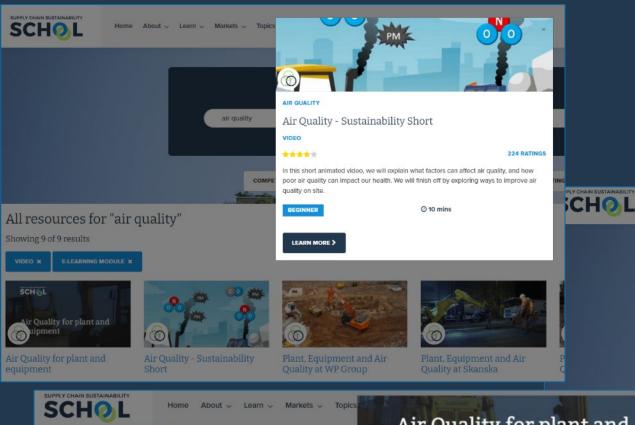
## Go to the School website: www.supplychainschool.co.uk

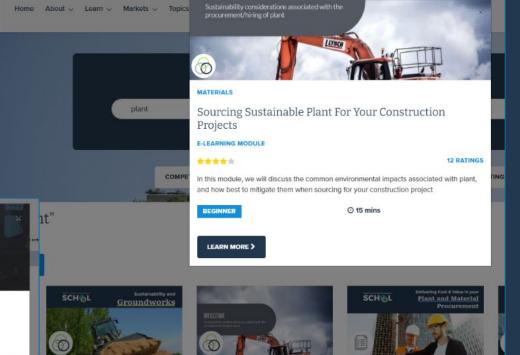


# In focus: The Plant Group









Plant: sourcing sustainable plant for

construction projects

This module investigates the stages of the

RESOURCES IN

THE SCHOOL

Home About V Learn V Markets V Topic

Issues Groundworks contractors should be

16 RATINGS

This module will give you an introduction to the sustainability issues associated with air

@ 30 mins

procurement ...

This module investigates the stages of the

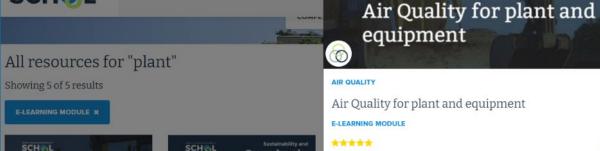
quality for plant and equipment and non-road mobile machinery

INTERMEDIATE

LEARN MORE >

construction projects

Plant: sourcing sustainable plant for



Groundworks

Issues Groundworks contractors should be

Air Quality for plant and

Learn about the air quality issues associated

Air Quality for plant and



#### https://maps.supplychainschool.co.uk/lez/index.html

The Plant Category Group established the need to know which UK Councils and regions have Clean Air Zones (CAZ) or Low Emissions Zones (LEZ), or are planning them. This map provides detailed informa Air and Low Emission Zones are either active of planned to be active and have had a written statement by a leading body (e.g. Council website page).

Action Sustainability and the Supply Chain Sustainability School are not rating, scoring, providing opinion or assessing the Clean Air Zones displayed. All the information provided is from information found

#### Advanced Search: > Satellite Map Snowdonia National Park Online listings for region: Birmingham Council: Birmingham City Council Type: Class D CAZ Llangollen Status: Planned Geographical boundaries: Will cover all of the road within the A4540 Middleway Ring Road, but not the Middleway itself. Time restrictions: 24-Jul Llanbedrog Start date: 2021 Janrhaeadr-ym-Mochnant Emission limits: Petrol cars and vans - Euro IV Diesel cars and vans - Euro VI Motorcycles and mopeds - No requirement Lorries, buses and coaches - Euro VI Fully electric or hydrogen fuel cell powered vehicles are Llanfyllin Cost for non-compliant vehicles: Cars and vans - £8 per day Motorcycles - no charge Lorries, buses and coaches - £50 per day Llanfair Welshpool SUPPLY CHAIN SUSTAINABILITY

Bishop's

Knighton

**Builth Wells** 

# RESOURCES IN THE SCHOOL

Markets v Topics v Partners v Contact v

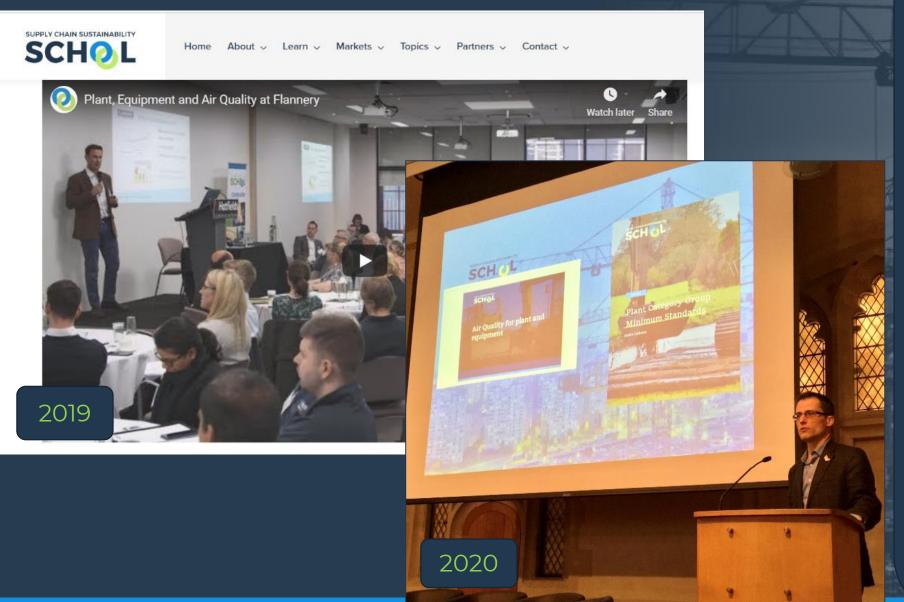
https://www.supplychainschool.co.uk/partners/groups/plant-group/

### The Emissions Compliance Verification Scheme

The Emissions Compliance
Verification Scheme, provided
by CESAR, gives users of non-road
mobile machinery (NRMM) a clear
and easy way of identifying the
engine emissions levels of their
equipment. Using a colour-coded,
visible sticker, applied to the
machine at point of manufacture,
the user can quickly see what
emission Stage their machinery is,
which helps with site and project
compliance with air quality
demands.



## ENGAGEMENT & DISCUSSION





2021

**Kevin Wyche**University of Brighton



**Andrea Charlson**Sustainability Manager



Serena Ward

Environmental Advisor

SCS Railways



Tom Holland

HS2 Account Director

Sunbelt Rentals



Christian Spence

Sustainable Energy Manager

Sunbelt Rentals

Nigel Blandin

Managing Director

4 Group



## School Plant Charter

Plant Charter

## Our commitment

Signatories to this Charter come from across the value chain and commit to re quality and greenhouse emissions and the negative impacts they cause from t plant and equipment (CPE) that we, as an industry, buy, hire, and use.

We will do this by adhering to the following commitments. They apply to anyon chain, from client through contractors and hire companies, out to subcontracto

- . Minimum standards in procurement: We will buy or hire CPE to the min for AQ and GHG emissions, as laid out in the latest version of accompan paper<sup>3</sup>.
- Engagement: We will engage suppliers and contractors up and down the actively participate in meeting the same minimum standards to contribu
- Awareness raising and education: We commit to providing our supply of skills, knowledge and confidence they need to achieve our aims.
- Measurement and reporting: We will measure progress in reducing our report them to relevant stakeholders.
- Innovation: We will investigate, trial and implement new technologies t on the route to zero emissions onsite.

## The Signatories 🖾

By signing this Charter, we demonstrate our intent to work and collaborate towards achieving the five commitments contained herein, both within our own organisation and within our supply chain.









































#### **THOMAS**

If you are interested in signing the Charter, please contact james@supplychainschool.co.uk.



JULY 2019

James Cadman

Plant Category Grou

Minimum Standards

# In focus: The Climate Action Group









## Managing performance

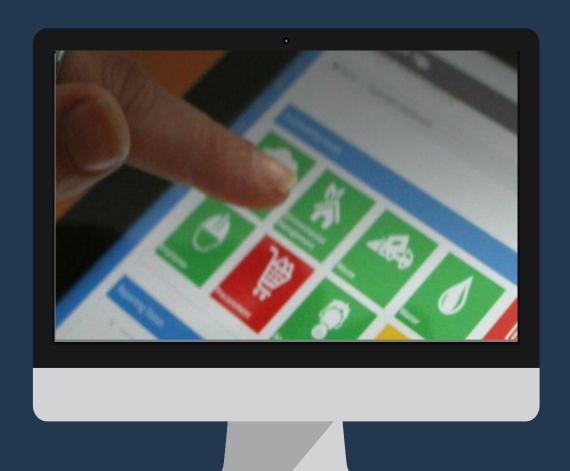




**FREE** Online platform designed to manage supply chains and carbon data

Identify key carbon producing activities and start to work on how these can be managed







## Improved Functionality











Carbon Calculator

**Apportionment** 

Types of Report

Frequency of reporting

Data visualization

Functionality to calculate carbon emissions based on the activity data provided by supplier organizations

Functionality to enable suppliers to **distribute** a percentage of their carbon **emissions** among their clients **based on revenue**.

- a) Simplified report for organizations who already know their carbon footprint and would like to move straight onto the apportionment section
- b) Full report to help organizations calculate their carbon footprint and apportion emissions among their clients

Monthly, quarterly and annually. Annual reporting is the minimum requirement.

- a) Suppliers:
   organization's carbon
   footprint by scope and
   source of emissions
- carbon data
  apportioned by
  suppliers by scope and
  source of emissions

#### SUPPLY CHAIN SUSTAINABILITY



## Want to know more?

SUPPLY CHAIN SUSTAINABILITY

Home About V Learn V Markets V Topics

Measuring & Managing Sustainability Performance...

Monday, 15 November 2021, 12:00 PM - 1:00



The Importance of Due Diligence in the Procurement

This 1 hour webinar will provide an overview

Friday, 19 November 2021, 11:00 AM - 12:00 PM



Join us for this 3-hour workshop to understand

A 3-hour interactive workshop to build your understanding ...

Tuesday, 16 November 2021, 9:30 AM - 12:30



#### Measuring & managing sustainability performance

Measuring & managing sustainability performance

Monday, 22 November 2021, 10:00 AM - 11:30



A 3-hour workshop facilitated by Mark Turner,

Tuesday, 30 November 2021, 9:30 AM - 12:30



#### **ENERGY AND CARBON**

#### Carbon Calculator for Suppliers - Lunch 'n' Learn

#### **EVENT OR WORKSHOP**

A 1-hour introductory demo of the Carbon Calculator aimed at SUPPLIER organisations.

#### What is this session about?

The Climate Action Group is offering FREE access to the Carbon Calculator, a cutting edge software application designed to manage your carbon performance.

This Lunch 'n' Learn will provide an introduction to the Climate Action Group of the ...

Wednesday, 24 November 2021, 3:00 PM - 4:00 PM

BEGINNER

@ 60 mins

#### LEARN MORE >



Offsite and MMC

A 1-hour Lunch 'n' Learn to understand how the



Materials Procurement -

This 3-hour workshop has been designed to

A 4.5-hour interactive workshop to discuss

Wednesday, 17 November 2021, 9:30 AM - 2:00

EVENTS Q

The construction economy is recovering swiftly from the ...

SIGN UP

Wednesday, 17 November 2021, 1:15 PM - 2:15



A 1-hour introductory demo of the Carbon Calculator aimed ...

Wednesday, 24 November 2021, 3:00 PM -



## Demystifying BIM - Lunch 'n'

A 1-hour Lunch 'n' Learn to answer your burning

Wednesday, 24 November 2021, 4:00 PM -5:00 PM



This 1 hour webinar will provide an overview of



A case study lunch 'n' learn with Keepmoat.

Thursday, 2 December 2021, 2:00 PM - 3:00





## Questions?



## Thank you



James Cadman



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james@supplychainschool.co.uk



supplychainschool.co.uk