


Date: Tuesday 12th December 2023

Attendees: Imogen Player (Action Sustainability); Sam Walker (Action Sustainability); Lynne Good (Action Sustainability); Gavin Allan (Robertson Group); Sam Allen (Certas Energy); Paul Allman (MJ Evans Construction); Mark Armson (Wackerneuson); Michael Bandy (Kier); Catherine Blackburn (Laing O Rourke); Gez Bonner (Lynch); Rhiannon Butcher (McLaren Group); Niall Conroy (Wolffkran); Craig Downs (EKFB); Alison Fulford (National Grid); Martin Gregson (Skanska); Mark Lawton (Skanska); John Leader (IDE Systems); Greg Martin (Skanska); Aurelien Morel (Bouygues UK); Lola Panier (GAP Group); Jane Quan (Selwood); Kevin Ranshaw (Wackerneuson); Steve Postlethwaite (Costain); Sam Ryan Proudfoot (Lynch); Carl Rushton (MCLH); Shital Shirsat Rohekar (HS2); Paul Taylor (NOCN); James Sinnock (Selwood); Gary Todd (BAM); Ronak Bhana (National Highways); Christopher Wiseman (RSK); Kim Watson (MO Brien Group); Richard Whiting (IPAF); Christopher Wiseman (RSK).

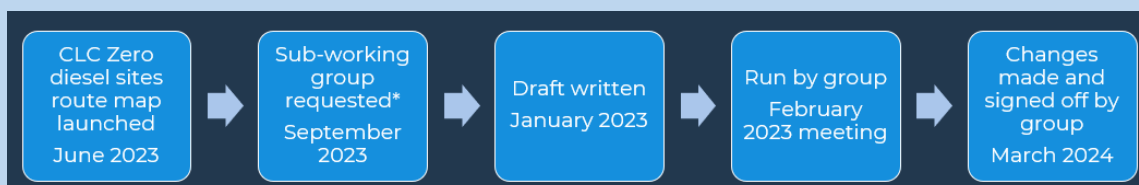
Summary of Actions and Notes from the Plant Category Group Meeting

Plant Category Group – Introductions and outstanding actions		
No	Action/Notes	Owner
1	<p>Welcome and Introductions</p> <p>Focus of Meeting: Business Planning for 2024/2025</p>	All
2	<p>Plant Group Updates</p> <p>Updates were given on recent work completed within the Plant Group. This included:</p> <p>Plant Group Chairperson: Following the election process, the new Chair and Vice-Chair were announced to the Plant Group:</p> <p>Plant Group Chair: Craig Downs - Major Projects Plant Manager at EKFB</p> <p>Plant Group Vice-Chair: Niall Conroy - Sustainability Program Manager at Wolffkran Ltd</p> <p>Thank you again to all of those who put themselves forward for the position.</p> <p>Update on Minimum Standards</p> <p>Work is ongoing with updating the Minimum Standards of Plant and Equipment with changes to be made and signed off by March 2024.</p> 	All

Update on Plant Charter Overlay

Work is also ongoing on the Plant Charter overlay which will see the CLC Zero diesel sites route map being overlaid with the Plant Charter. Currently this is on progress to be signed off by March 2024.

Please let us know if you would like to be involved with this development.



3 Update: Charter Signatories

The Plant Charter outlines minimum standards for plant machinery and equipment with the aim to reduce emissions from plant equipment and encourage innovation. Since our last meeting, we've had both new organisations join and others renew, bringing the total to 14 signatories.





In March, we ran a marketing campaign aimed at promoting the Plant Charter. Please share the [post](#) on LinkedIn that was used if you haven't already.

Please contact Imogen or Sam if you would like to retain your signatory status and will be sending in a Plant Charter application.

More information on how to apply can be found [here](#).

Partners

4	<p><u>Plant Learning Pathway</u></p> <p>The new <i>Carbon and Air Quality within Plant and Equipment</i> Learning Pathway was also promoted. Please promote this within your organisations and on your social media platforms (you can share our most recent LinkedIn post here).</p> <p>Currently we have 110 assigned up to the Pathway and 12 who have completed this.</p>  <p>The graphic shows a circular icon with a stylized plant and equipment. Below it, the text reads: 'Carbon and Air Quality within Plant and Equipment Learning Pathway'. It describes a self-enrol learning pathway that helps understand the impact of plant and equipment on air quality and carbon emissions, and provides solutions to reduce emissions and improve air quality. At the bottom, there is a button that says 'ACCESS THE PATHWAY >'.</p>	Partners
5	<p><u>Plant Group Webinar</u></p> <p>An update was done on the Plant Group webinar which will be taking place in March 2024. This will focus on progress made to reduce carbon emissions from plant and equipment. Please save the date!</p>  <p>The graphic has a dark blue background with white and green text. It reads: 'Plant Group Webinar' in large white letters, followed by 'Fuels and Technologies in Plant and Equipment: the journey' in green. Below this, it lists the date and time: 'When: 12th March 14:00-15:00' and the location: 'Where: Zoom'. It then lists 'Learning objectives:' followed by a bulleted list: 'The progress that has been made towards reducing air quality and carbon emissions by plant and equipment', 'The challenges of reducing emissions and improving plant and equipment', 'The future of sustainable plant and equipment: technologies; innovation; collaboration', and 'Hear case studies and examples from industry speakers'. At the bottom, it says 'We are currently scoping the content out.'</p>	All

6	<p><u>Business Planning</u></p> <p>Most of the session was spent on Business Planning for the year 2024-2025.</p> <p>This began with a review of the Impact Survey, which captured trends and themes on what was important to Partners generally, along with Plant group specific partners, in the previous year.</p> <p>The group was then split into three sub-groups to discuss three questions, to determine the direction of the Plant Group for 2024-2025. Questions were:</p> <ul style="list-style-type: none"> - Question 1: What are the key sustainability and plant and equipment challenges you have as a sector? - Question 2: Which of these sustainability challenges can the School address and support on, through knowledge and collaboration? Does the group require budget for an increase in any type of activity? - Question 3: What other interventions can the Plant group do that can improve the sustainability performance within your supply chain? These would be things that can drive change quicker? <p>Results were captured using Mural. These will be summarised into key themes, which we will then run past the plant group for further confirmation on proposed activities, before finalising into the Business Plan for 2024-2025.</p> <p><u>The thoughts of each group have been captured in the Appendix.</u></p>	All
7	<p><u>Announcements</u></p> <p>An update was provided on the NEW HVO Guidance Paper which is planned to be released on the 5th March 2024.</p>	
8	<p><u>Next Meetings</u></p> <p>Next meeting will take place on Tuesday 13th February 10am-12pm</p> <p>Dates for next year include:</p> <ul style="list-style-type: none"> • Tuesday 11th June 2am-4pm • Tuesday 10th September 10am-12pm • Tuesday 10th December 10am-12pm 	

Appendix

GROUP 1

QUESTION 1: Discuss the key sustainability challenges that we have as a sector.

Then choose 2 or 3 key challenges that the School can address through knowledge & collaboration.

Materials specifications not aligned to modern methods of working. EG Intelligent compaction is not specifically addressed in pavement and materials specifications. Clients are looking at this separately.

Design compound and site strategy
Future fuel strategy

Battery Charging infrastructure.
Battery Management.
Fire Risks etc.

Current case studies of equipment that is being used on project that is none fossil fuel and the support for fuel recharging.

Hydrogen

Collaboration with customers and supply chain to develop site infrastructure to charge plant and vehicles attending site

Greater electrification of MEWP fleets. Infrastructure for recharging a concern

TOP 2 / 3 CHALLENGES

Adoption of ECO operator training. At the measurement of the adoption.

Control, storage and disposal of lithium batteries

Cost/ pricing for savings.

Fossil fuel vs Greener fuel

GROUP 1

QUESTION 2: What are the key activities that the School can undertake to tackle your identified challenges.

Pick your challenge(s) from question 3.

Populate the table with the challenge (s) as a sticky note.

Then discuss the solution to that challenge

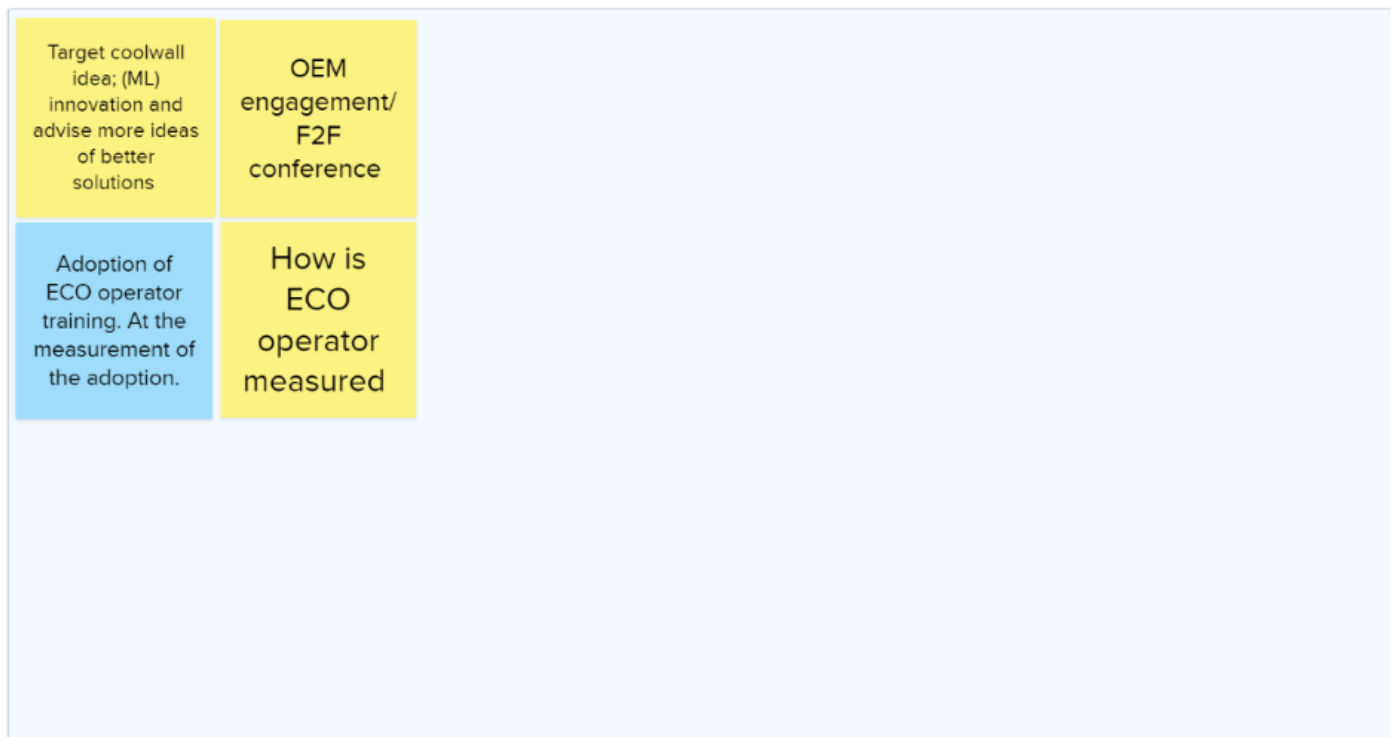
Use the sticky notes to capture your answers for a solution (what the School can do to help solve that problem).

Challenge	Solution School - Knowledge & Collaboration	
1.	Adoption of ECO operator training. At the measurement of the adoption.	Promote training for operators and supervisors CLC info, main issues is fiscal challenges
2.	Reports on training feedback/ "you said/ we did"	Funding for up cycle? Case study
3.	OEM's help	OEM's training awareness costs OEM's new technology timeline
4.	How can we get newer greener items, cost is still very high	What is where and can I get one



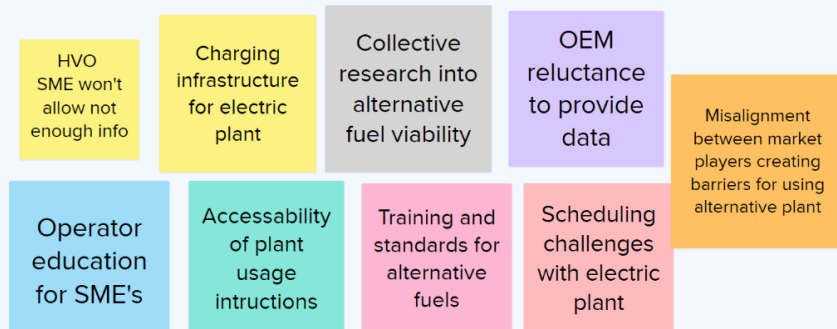
GROUP 1

QUESTION 3: What other interventions can the Plant Group do to improve the sustainability performance of your supply chain?
Think of things that can drive change quicker.

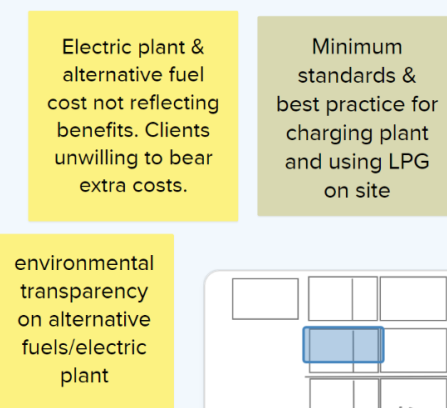


GROUP 2

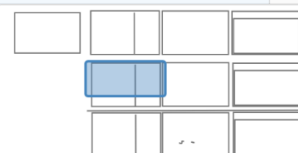
QUESTION 1: Discuss the key sustainability challenges that we have as a sector.
Then choose 2 or 3 key challenges that the School can address through knowledge & collaboration.



TOP 2 / 3 CHALLENGES



environmental transparency on alternative fuels/electric plant



GROUP 2

QUESTION 2: What are the key activities that the School can undertake to tackle your identified challenges.

Pick your challenge(s) from question 3.

Populate the table with the challenge (s) as a sticky note.

Then discuss the solution to that challenge

Use the sticky notes to capture your answers for a solution (what the School can do to help solve that problem).

Challenge		Solution School - Knowledge & Collaboration					
1.	Electric plant & alternative fuel cost not reflecting benefits. Clients unwilling to bear extra costs.	Clarity on what potential barriers to entry are and how they can be overcome	Transparency from OEM's on real costs	Fostering collaboration between OEM's and infrastructure providers	User stories of the benefits and experience of total cost of ownership alternative plant/ fuels	Calculation tool for the cost of Carbon & avoiding emissions	
2.	Minimum standards & best practice for charging plant and using LPG on site	Collaborating with industry experts to produce best practice guides for HVO, LPG, charging, etc.					
3.	environmental transparency on alternative fuels/electric plant	Collaborating with industry experts to set transparency minimum standards					

GROUP 2

QUESTION 3: What other interventions can the Plant Group do to improve the sustainability performance of your **supply chain**?

Think of things that can drive change quicker.



GROUP 3

QUESTION 1: Discuss the key sustainability challenges that we have as a sector.

Then choose 2 or 3 key challenges that the School can address through knowledge & collaboration.



Challenge	Solution School - Knowledge & Collaboration
1. net zero	<p>examples of how you can lay out your plan to net zero - what you can focus on today, what would cost you more money, what would save you carbon in the long-term - how to develop a carbon reduction action plan - and then this conversation with the supply chain</p> <p>< start with beginner level. Then more advanced can go into detail on e.g. hydrogen</p> <p>lobbying government/ linking in with them - e.g. construction leadership councils</p> <p>school should be engaging with other sectors e.g. TV, automotive, sharing best practice - cross sector sharing</p> <p>HAE, CICA, CPA - engaging with these more regularly.</p>
2. telematic data	<p>standardised telematic KPIs - depends on different fuel types, different technologies</p> <p>OEMs can provide info/data as long as they understand what people want</p> <p>key audience: buyers - to understand what they should be considering</p> <p>for clients and tier 1s - to make sure that the KPIs are incorporated within projects - aligned with their sustainability strategy</p> <p>not as relevant for individual digger drivers - but their employer should know this - understand if operator behaviour can be improved OR whether the plant is correct for the job</p>
3. operator behaviour	<p>National Highways eco-operator training</p> <p>rolling out this training</p> <p>understanding of turbo charges and OPTIMISED idling</p> <p>site rite</p>
4. whole life cost, technologies and innovation	<p>showcasing technologies and innovation - e.g. can this be done on site in person?</p> <p>Coventry annual event - share the and innovation e.g. exhibition underneath at coventry</p> <p>Hillhead showcase</p>

GROUP 3

QUESTION 3: What other interventions can the Plant Group do to improve the sustainability performance of your **supply chain**?
Think of things that can drive change quicker.

examples of how you can lay out your plan to net zero - what you can focus on today, what would cost you more money, what would save you carbon in the long-term - how to develop a carbon reduction action plan - and then this conversation with the supply chain

networking/
speed-dating on
technologies -
meet the supplier/
innovation