

**Date:** Tuesday 12<sup>th</sup> September 2023

**Attendees:** Imogen Player (Action Sustainability); Sam Walker (Action Sustainability); Lynne Good (Action Sustainability); Gavin Allan (Robertson Group); Peter Brown (CPA); Gary Davidge (Hercules); Chris Matthew (Flannery Plant Hire); John Leader (IDE Systems); Mark Lawton (Skanska); Niall Conroy (Wolffkran); Nikolaos Sapounas (Octavius Infrastructure); Stephen Bradby (Select Plant Hire); Alison Fulford (National Grid); Andrew Wood (Selwood); Chris Carter-Rowlands (NOCN); Craig Downs (EKFB); Jo Power (IPAF); Laura Watson (National Highways); Likhith Mandava (Garic); Lola Panier (GAP Group); Max Higgins (Wessex Arch); Raj Neelakantan (Cadent); Ronak Bhana (National Highways); Sam Ryan Proudfoot (Lynch); Simon Beckett (Nationwide Platforms); Steve Postlethwaite (Costain); Gary Todd (BAM); Tom Gleeson (The Clancy Group).


### Summary of Actions and Notes from the Plant Category Group Meeting

Plant Category Group – Introductions and outstanding actions		
No	Action/Notes	Owner
1	<b>Welcome and Introductions</b>	All
2	<p><b>Plant Group Updates</b> Updates were given on recent work completed within the Plant Group. This included:</p> <ul style="list-style-type: none"> <li>- <b>The updated Terms of Reference</b> document (please see attached <i>Terms of Reference</i> document).</li> <li>- <b>School Business Planning Process</b> (please see attached <i>pre-read</i> slides).</li> <li>- <b>Updated Plant Group Business Plan</b> (please see attached <i>pre-read</i> slides). Partner actions based on the Business Plan include: <ul style="list-style-type: none"> <li>1. <b>Please send through OEM contacts to Imogen or Sam</b>, for OEM interviews. This will contribute to a piece of work in which we incorporate feedback on minimum standards from OEMs into a V3 Minimum Standards and an update to the plant Charter, and to widen collaboration in general.</li> <li>2. <b>We are looking for Partners to join two Task and Finish groups on:</b> <ul style="list-style-type: none"> <li>A) Updating the Minimum Standards for a V3 (as mentioned above).</li> <li>B) Producing a Plant Charter overlay to the CLC Zero Diesel Route Map.</li> </ul> </li> </ul> </li> </ul> <p><b>Please contact Imogen or Sam if you're interested in joining one or both of these task groups.</b></p>	<p>Partners</p> <p>Partners</p>
3	<p><b><u>Update: Charter Signatories</u></b> The Plant Charter outlines minimum standards for plant machinery and equipment with the aim to reduce emissions from plant equipment and encourage innovation.</p> <p>As part of updates to the Plant Charter all Plant Charter Signatories whose status has now expired will have until Friday 29<sup>th</sup> September to re-apply to become a signatory, or their Partner logo will be removed from the Plant Charter webpage.</p>	Partners

	<p><b>Please contact Imogen or Sam if you would like to retain your signatory status and will be sending in a Plant Charter application.</b></p> <p>More information on how to apply can be found <a href="#">here</a>.</p>	
4	<p><b><u>Election of a Plant Group Chairperson</u></b></p> <p>The Plant Group is now accepting applications for the role of the Plant Group Chair who will support leading the group. The purpose of the Chair is to support the vision and direction of the group, making sure that partners are represented and to support the steering of the focus and content of the group. <b>If you would like to apply for this position, please complete the attached <i>Application Form</i> and send this to Imogen or Sam by Tuesday 10th October.</b></p> <p>The Chair election process involves:</p> <p><b>Step 1:</b> Review the attached Leadership Group Chair Job Description and Application form which explains the key aspects of the role.</p> <p><b>Step 2:</b> Complete the form by Tuesday 10th October, providing a short (max 300 words) overview of your motivations for applying for the role.</p> <p><b>Step 3:</b> We will send out the details of all those interested in the position and invite all partners within the Plant Leadership Group to vote (please note it is one vote per Partner organisation).</p> <p><b>Step 4:</b> Following a two-week period for voting, we will announce the new Chair.</p>	Partners
5	<p><b><u>Feedback on Resources</u></b></p> <p>The School has been developing resources for the plant group. A poll was undertaken asking partners for feedback on:</p> <ol style="list-style-type: none"> <li>1) What types of Lunch N Learns (a 1 hour session presenting on a particular topic) should be done.</li> </ol> <p><b>Based on the feedback collected via the Menti, the 2 Lunch N Learns will focus on:</b></p> <ul style="list-style-type: none"> <li>• Fuels and technologies in plant and equipment: The Journey</li> <li>• Innovation in plant and equipment (e.g. low carbon alternatives, embodied carbon, retrofitting etc)</li> </ul> <p><b>Please get in touch with Imogen or Sam if you would like to be involved in these.</b></p> <ol style="list-style-type: none"> <li>2) Learning Pathway Resources should be included in the <i>Carbon and Air Quality Emissions within Plant</i> and Equipment Learning Pathway.</li> </ol> <p><b>Based on the feedback collected via the Menti, resources will be added to the Learning pathway on Anti-Idling. We are also looking for resources on 3D Machine Control and an Introduction to Telematics. Please send these to Imogen or Sam.</b></p>	<p>Partners</p> <p>Partners</p>

	<p>3) Plant Hierarchy (which provides a quick snapshot of how to reduce carbon emissions). 4) Plant and Equipment Industry Roles graphic</p> <p>The feedback provided is demonstrated in the appendix.</p> <p>The School will now review the outputs and decide next steps for delivery in order to finalise these resources and have them presented on the School.</p> <p><b>If you were unable to provide your feedback on any of these during the session but would like to provide this, please contact Imogen or Sam.</b></p>	<p><b>School</b></p> <p><b>Partners</b></p>
6	<p><b><u>Discussion: Challenges of Infrastructure and Energy on-site</u></b></p> <p>The session focused on a discussion around the challenges of infrastructure and energy on-site. The larger group was split into smaller groups to answer the questions:</p> <ol style="list-style-type: none"> <li>1. What are the issues you face?</li> <li>2a. What are the easy issues you think can be solved with quick wins?</li> <li>2b. What are the hard issues you think can be solved in the long-term?</li> <li>2c. What are the hardest issues that you think there is no solution to?</li> <li>3. How can the School support you to overcome this challenge</li> </ol> <p>The outputs of this are in the appendix.</p> <p><b>If you were unable to add to the Jamboard during the session but would like to feedback, please let Imogen or Sam know your thoughts.</b></p>	
7	<p><b>AOB</b></p> <ul style="list-style-type: none"> <li>- The Partner Impact Survey is now live, please complete this <a href="#">here</a> to have your say and shape the School's direction.</li> <li>- The School will be developing an e-learning on low carbon site setup. If you have case studies that you would like to share to potentially be included, please share them with Sam or Imogen.</li> </ul>	
8	<p><b>Next Meetings</b></p> <p>Next meeting will take place on <b>Tuesday 12<sup>th</sup> December 2-4pm</b></p> <p>Dates for next year include:</p> <ul style="list-style-type: none"> <li>• <b>Tuesday 13th February 10am-12pm</b></li> <li>• <b>Tuesday 28th May 10am-12pm</b></li> <li>• <b>Tuesday 10th September 10am-12pm</b></li> <li>• <b>Tuesday 10th December 10am-12pm</b></li> </ul> <p><b>Meeting invites for these will be sent out.</b></p>	

## Appendix



1. What are your ideas for lunch n learn content?  
21 responses

Case studies from new low carbon plant

UVC as a viable alternative plant fuel

Sustainability concepts of the UVC supply chain

Mentimeter

## 1. What are your ideas for lunch n learn content?

21 responses

Any success with battery operated tools, plant or vehicles

New technologies, case studies, real data

Scope 3 emissions - categories around life cycle.

Key construction machinery manufacturers to explain what they can offer NOW in terms of leading edge criteria on carbon reduction

If Traffic Management can be classed a Plant, Carbon impact of a typical TTM setup

Transition from fossil fuel

Effectiveness of small battery tools and equipment

Scope 3 emissions best practice for plant.Life cycle ideas

HVO - advantages and limitations

Mentimeter

## 2. What is your feedback on the learning pathway?

15 responses

Really useful

What is the age of the pathways?

Adding idling plant?

A good list of resources presently

Add 3DMC awareness

Offer training or slides for operators

Electric Plant machines?

The ones by construction companies are particularly useful. It illustrates what people are currently doing.

Telematics basics, not a sales pitch.

Mentimeter

## 2. What is your feedback on the learning pathway?

15 responses

Good! Electric plant and its own environmental implications/drawbacks is important to stress

Solar powered

tips/suggestions on areas people should focus on in their own businesses - it's not just the machine/technology

Mentimeter

### 3. What is your feedback on the Plant Hierarchy?

1 response

Good to see timescales for solution availability. Could this be structured in line with the carbon hierarchy?

Mentimeter

### 4. What is your feedback on the Industry Roles & Responsibilities?

16 responses

Clients to demand equipment and telemetry on tenders.

I think the hierarchy should be reversed

Joint collaboration required with OEMs

With modular and off- site technology coming on in leaps and bound, is Plant design really keeping pace?

OEMs will always want to protect their IPR, the content needs be be kept more general and this may lead to better buy in?

Part of the sustainability responsibility of plant rental companies (as the plant buyers) is to engage with/put pressure on OEMs to share data and R&D progress to suit the industry needs

Does the client real know best?

Mentimeter

### 4. What is your feedback on the Industry Roles & Responsibilities?

16 responses

Built to be rebuilt, does it actually reduce carbon.

Cost of electric plant? Price to buy.

Eco operator adoption measurement.

All good

Should client pressure be top of the list?

Manufacturers only respond to buyer pressure

I would love to see this put in the wider context of the schools other groups and the wider context of governmental and social pressures/impacts

All groups should have a responsibility to train

Good - would like to see the OEMs being more visible

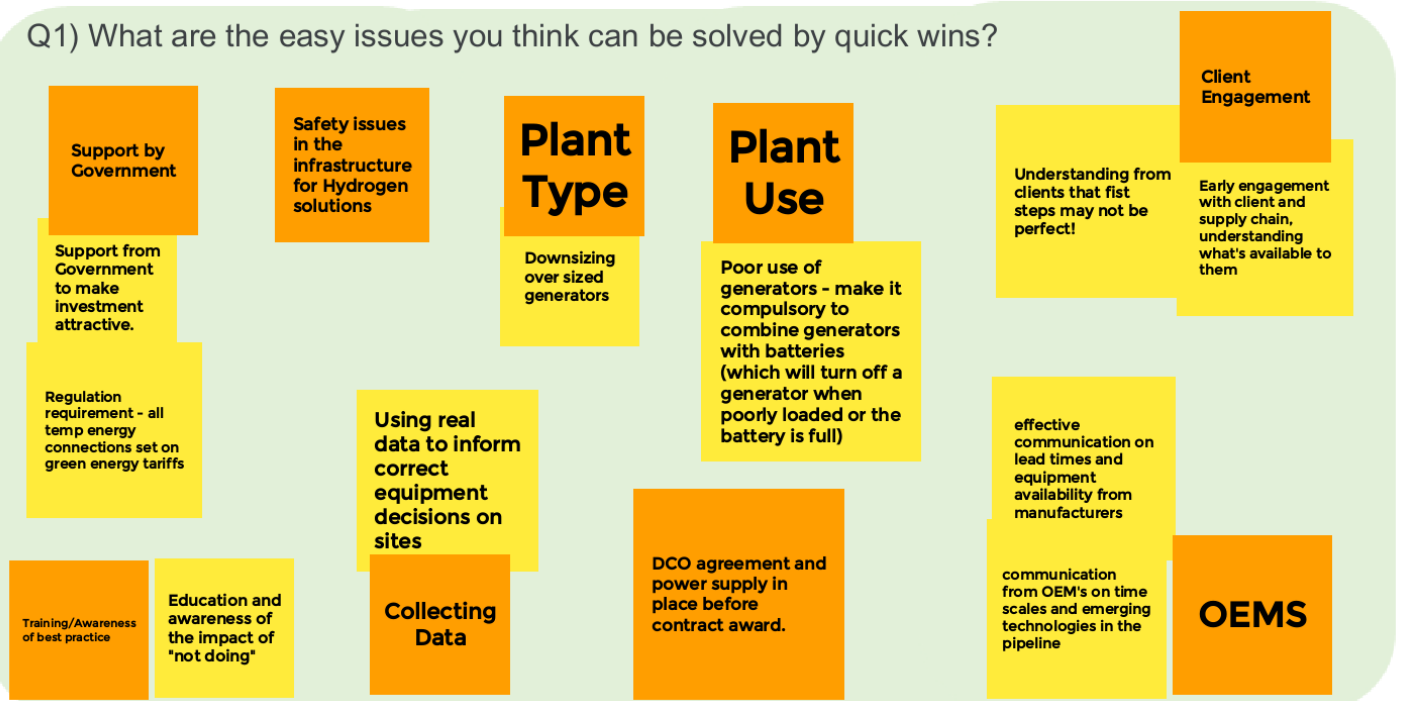
## SUMMARY - Discussion: Challenges of infrastructure and energy on-site

### Q1) What are the issues you face?



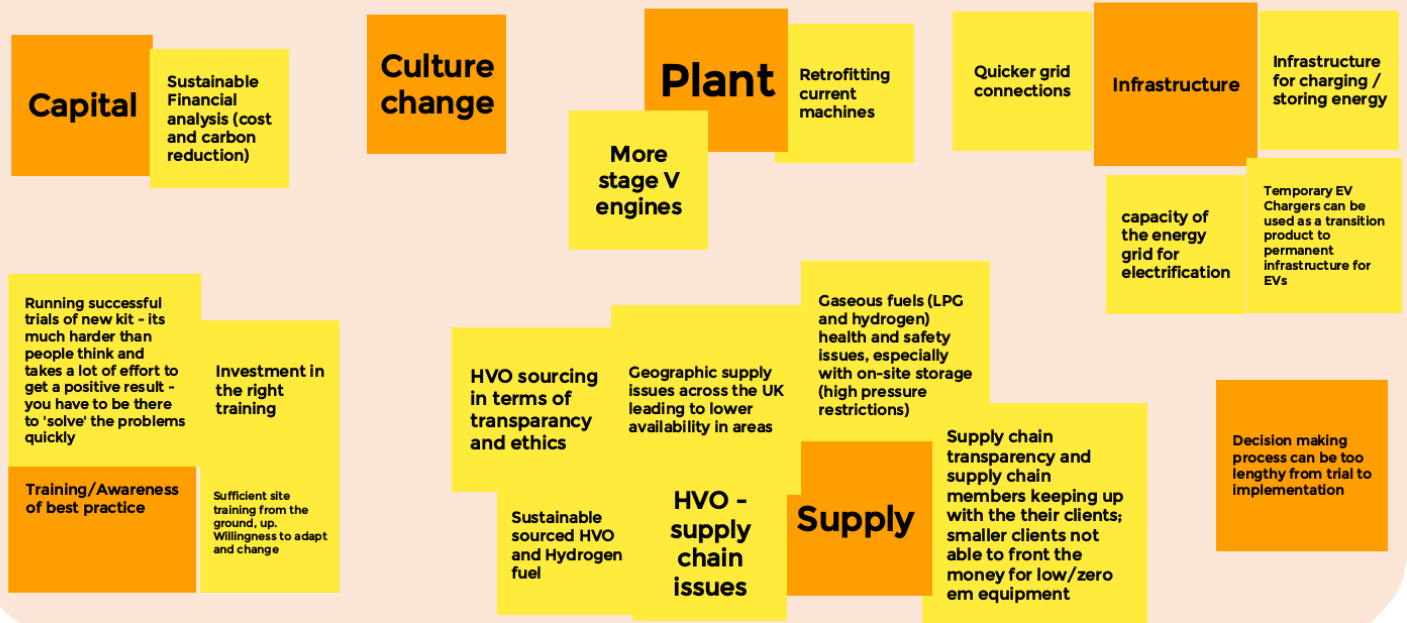
## SUMMARY - Discussion: Challenges of infrastructure and energy on-site

### Q1) What are the easy issues you think can be solved by quick wins?



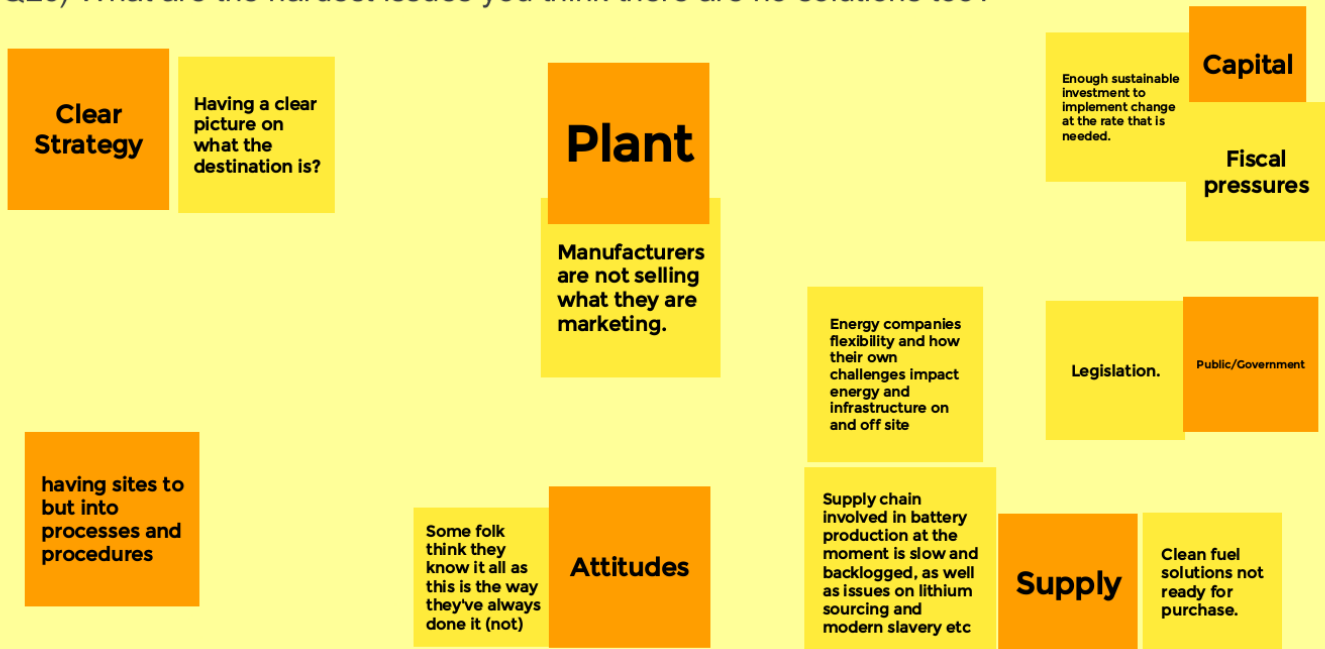
## SUMMARY - Discussion: Challenges of infrastructure and energy on-site

Q2b) What are the hard issues you think can be solved in the long-term?



## SUMMARY - Discussion: Challenges of infrastructure and energy on-site

Q2c) What are the hardest issues you think there are no solutions too?





## GROUP 1 - Discussion: Challenges of infrastructure and energy on-site

### Q3) How can the school help to overcome these challenges?

