

Date: Wednesday 1st December 2021

Attendees: James Cadman (Action Sustainability), Imogen Player (Action Sustainability), Chris Matthew (Flannery Plant Hire), John Leader (Ide Systems), Craig Downs (EKFB), John Pirie (MHM Plant), Simon Beckett (Nationwide Platforms), Yasmin Sajjad (Siemens).

Summary of Actions and Notes from the Plant Category Group Meeting

Plant Category Group – Introductions and outstanding actions		
No	Action/Notes	Owner
1	Welcome and Intros	
2	<p>Update on the Minimum Standards V2 and the Charter</p> <p>The Minimum Standards V2.0 are now live and are publicly available here and there are now 21 signatories to the Plant Charter. PR and comms went out to confirm both of these updates, shown here. The process for reporting against the charter was explained again, with the full detailed information available in the Minimum Standards V2.0.</p> <p>It was suggested that the School discusses directly with Achilles and Constructionline to see if the charter reporting award can be used within pre-qualification questionnaires. This could improve the process as questions could be bypassed as the information is inherent with the charter award level.</p>	James to discuss feasibility with Achilles and Constructionline
3	<p>School Presence at Events</p> <p>The group previously suggested that the School should attend more events, to build its brand and image within the plant and machinery sector.</p> <p>Trade shows – the school has attended the following:</p> <ol style="list-style-type: none"> 1. National Highways Plant Innovation Day – 12th October 2. Construction Plant-hire Association Conference – 14th October 3. CAT Command & Technology Days – 12th November 4. IPAF Annual Conference – 18th November <p>The School will also attend:</p> <ol style="list-style-type: none"> 1. CEA TechWorx – 30th-21st March 2022 <p>Ideally for any future events that the School attends for the Plant Category Group, a speaking slot would be available.</p> <p>There was a suggestion to co-badge some events with plant group organisations. John suggested that the School could attend the Executive Hire Show in February 2022.</p> <p>It was also raised that the group would like to have more OEM members join, and to ideally become signatories to the Charter.</p>	James and John to discuss jointly attending the Executive Hire Show

Should any OEM's wish to sign the Charter, additional OEM specific information would need be incorporated into the Minimum Standards v2.0 to make it more relevant to OEMs, i.e. a third column alongside the two for contractors and plant hire companies. There was a specific suggestion to engage with SPOA (Scottish Plant Owners Association).

4 **Future activities**

Manged by the School, the group will be delivering four outputs in the coming months, based on the feedback Partners gave us in previous meetings on what would be useful:

- Sustainability short video outlining how to set up and run a low carbon site
- A white paper charting the roadmap to lower carbon and air quality plant out to 2035
- A cost and carbon calculator to enable comparison of options
- Eco-training for operatives and site managers and using the School as a mechanism to 'approve' and communicate

The group discussed what these future activities should look like.

Sustainability short video

This is currently in development and will be providing an overview of what a good site setup and operation looks like for low carbon and air quality emissions. Additionally, site managers are key stakeholders. It was raised that power and infrastructure requirements and understanding are key parts of site set up and so must be included within the video – James confirmed that this content will be included. Potential organisations to review the learning resource were suggested.

White Paper Roadmap

Aim: to provide the reader with a roadmap for achieve reduced carbon and air quality emissions in line with the CLC's commitment to reduce diesel consumption by 78% by 2035, in comparison with 1990, as well as the wider 2050 net zero target. The proposed high-level structure was discussed and agreed as:

1. Introduction
2. Right machine for the job, run efficiently – people and plant
3. Power Sources and necessary infrastructure, including logistics
4. Semi and full autonomy
5. Provision and use of digital data
6. Retrofit and end of life

The group discussed and provided their inputs:

- Three key areas were identified: machine; data; training.
- Innovation should be embedded within all sections.
- Power sources and tool selection should be included – what is the best and most efficient way of using the correct equipment, and storing machinery and fuels correctly.

- A key goal is to reduce the number of assets and the time of site, through efficient operations.
- 2D and 3D semi-autonomy must be included.
- Should clearly identify the difference between end of use and end of life- as the outcomes and requirements will differ for different organisations.
- Whole life cycling must include training and supporting functions including: BIM; design; lean and digital.
- Training on infrastructure should also be included, as well as planning and transportation of vehicles.
- Training on data and telematics must also be included. Currently there is lots of data available, but knowledge needs to improve on how to read the data, how to use the data and how to inform decisions based on data outputs.
- Consistency in data metrics
- Should work with OEMs to develop a common data set, or alternatively, recommend a set of boundaries for clients to use and tell OEMs – therefore the industry is working to the same standard.
- The roadmap should look at firstly identifying ways to be efficient and optimise current ways of working, before discussing alternative power sources.
- Should get input and review from retrofit suppliers. Craig to pass over details of contacts.

Craig to pass over details of retrofit contacts – complete.

James to discuss with NOCN

Cost and carbon calculator

Aim: to provide the user with a calculator to understand the whole life approach when procuring and hiring equipment, including carbon and cost.

The group discussed and provided their inputs:

- A simplistic version must include as a minimum: rate; floor price/electricity price; delivery; and hire time.
- A more complex version must also include: delivery of fuel and time to refuel; and length of serviceability between refuelling.
- There are some additional benefits that may be harder to quantify, such as: if tower lights don't need to be refuelled as often then that reduces the risk of the refueller walking around the site. Perhaps this will be best captured as qualitative information.
- It was suggested that both a simplistic and a more complex version are provided, and the option is available for some users to provide their own data, or they can use default averages that are already set up.
- There are other variables to consider, such as: fuel burn rates and whether the operation is typically fuel intensive or not.

Eco-training for operatives

Aim: for the Supply Chain Sustainability School to be in position to approve existing driver and operative training schemes that include content on sustainability, such as fuel-efficient operation, aligned to the aims of the Group and the Charter.

It was strongly recommended that the School link up with NOCN to discuss the feasibility of the CPCS course becoming accredited by the School, as this is the course that is most commonly used across the industry. There was the

	<p>suggestion that the School could recommend any additional learning that might be beneficial to be included within this course. The training should, as a minimum, cover idling and data.</p> <p>The School will take away these discussion ideas and continue to develop these activities. Members of the group may be asked to provide additional input in between meetings, and the group will be involved with the proof of concept.</p>	
5	<p>Survey on future meetings</p> <p>Please complete this 5 minute survey to provide your say on whether future plant category group meetings should be held face-to-face, or virtually, or a blend of both.</p>	All group members to complete the f2f/virtual survey
6	<p>AOB</p> <ul style="list-style-type: none"> The School is running a Lunch & Learn session on HVO on 14th December – register here Please complete the Supply Chain Sustainability School’s annual impact survey here to have your say on how the School is impacting your organisation. John mentioned that MHM Plant have a case study that they would like to share. 	<p>All group members to complete the School’s impact survey</p> <p>John to share MHM Plant’s case study.</p>
7	<p>Next Meeting</p> <ul style="list-style-type: none"> Tuesday 15th February, 2pm, online 	