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Terms of Reference CEDA Commission on Decarbonisation (CCD)

INTRODUCTION

Decarbonisation (the route to arrive at operations which are free of emitting greenhouse gasses) is probably the biggest challenge the dredging industry faces collectively in the years/decades ahead. It rises above commercial interests and the influence of each individual stakeholder, therefore calling for a combined effort on the way towards zero-carbon solutions.

A major key towards decarbonisation is the use of post fossil fuels. However, a large-scale use of these post fossil fuels still has significant challenges, such as:

- Technological hurdles - *Technological readiness of engines, ships to transport fuels, port infrastructure;*
- (Scale of) Availability - *Most post fossil fuels (now today) are available at a demonstration scale only;*
- Economic hurdles - *System & Fuel Costs, Costs related to lower volumetric density, Safety related costs,;*
- Institutional & Legal hurdles - *Gaps in Class Rules, IMO Codes, Guidelines, ISO standards,*

Regarding these challenges, CEDA holds an unique position, because CEDA and its broad membership cover the various stakeholders which are actively involved in finding solutions to overcome the respective hurdles.

Therefore, the CEDA Board of Directors decided to establish a permanent technical commission called the CEDA Commission on Decarbonisation – CCD in short. CCD will act as a platform to collectively and regularly gain and share insight on how the dredging industry may be fuelled in, say, 15 years' time, and what this would mean in practice. This insight can only help whilst developing policies and/or deciding investments in future times.

The aim of this new Commission is “to actively collect and combine the fragmented information which is continuously developed and updated, and is in need of structuring and analysing in order to gain insight”. With regard to existing activities of, amongst others, the European Dredging Association (EuDA), the International Association of Dredging Companies (IADC), and the Vereniging van Waterbouwers (VvW), the deliverables of the proposed CEDA Commission are envisaged to be complementary.

The Commission reports to the CEDA Board of Directors.

Understanding Dredging

KEY PROPERTIES

Objective: Collect, structure and communicate information on developments regarding decarbonisation of dredging equipment & projects, and the potential impact on the future of the dredging industry. This with a focus on practical examples and quantification.

Participants: Industry-wide stakeholders (shipbuilders, contractors, governments, consultants, port authorities, classification bureaus) as core members (min 5 max 10 members), with the option to invite specialists to contribute on specific topics.

Duration & Schedule: The duration is 'continuous' and envisaged is a schedule of 2 meetings per year of the Commission plus a number of additional dedicated Sub-Committees (consisting of say 3 members) meetings to get the deliverables/events organised (see deliverables).

Function and scope: Platform to analyse/study the implications of routes towards full decarbonisation (vessel design, availability of bunkers, storage, operations, regulations, taxation, investments and cost effects, market demands/requirements).

Code of conduct: The Commission shall act strictly pre-competitive, free of commercial and/or political interest. Analyses must be based on available facts, combined with trends, prognoses, and expert views. Commercial interests shall not influence the work. Financial, commercial, contractual and legal consequences are to be analysed in a neutral manner.

Deliverables: Convene dedicated sessions during events like CEDA's National & Young CEDA Section Meetings, CEDA Webinars and the flagship events, CEDA Dredging Days and WODCONS. Ambition is to convene a minimum of 2 events per year. The Commission may use additional formats of sharing information as appropriate.

Funding: No remuneration for participants.

Operation: The Commission will take care of organising itself, including internal communications like the minutes of meetings. CEDA will provide logistical support and budget to organise workshops, events, etc.

Which candidates are invited to apply?

Candidates are preferably selected to arrive at a balanced representation from the various CEDA stakeholders and countries.

Candidates are preferred to have:

- An open mind to the worldwide developments regarding zero-carbon fuels for the maritime industry;
- The capability to structure complex and dynamic information;
- The desire to work together with the members of the committee to summarise and communicate the results.

CEDA is looking for members for the Commission on Decarbonisation with expertise in one or more relevant key topics, like:

- Drive trains / (dredge) vessel design / classification;
- Low- or zero-carbon fuel technology;
- (International) Regulations on emissions and GHG targets;
- Operational logistics (like bunkering facilities);
- CAPEX and OPEX differences of fossil vs non-fossil fuels;
- Contracts and requirements.

CEDA Board of Directors
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