



This project is co-funded by the European Union  
and the Republic of Türkiye



 VIRTUAL EVENT

International  
Brokerage Event on



**Clean  
Industrial Deal**

4 JUNE 2026

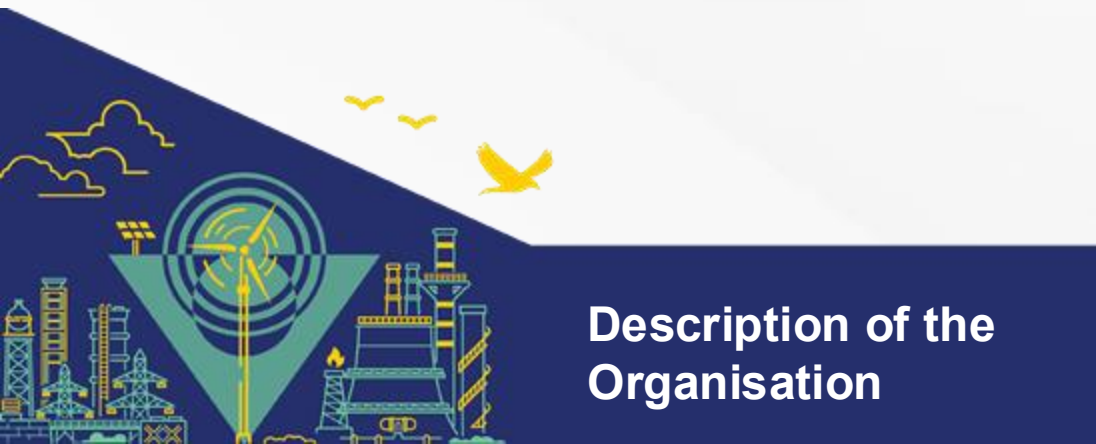


**PRESENTER FULL NAME:** Xuan C. Pham  
**ORGANIZATION:** TPG Cleantech (Canada)  
**WORKSHOP NAME:** OEE-S2S/P2C Pitching Session  
**E-MAIL:** via B2Match profile



# NATIONAL  
TECHNOLOGY  
INITIATIVE





## Description of the Organisation

Canadian clean-technology company developing breakthrough concepts for clean water, green hydrogen, LH2 infrastructure and modular industrial systems.

Flagship concept: OEE-S2S/P2C, a modular nearshore/offshore platform for clean-water production today and future green LH2 hubs tomorrow.

Commercial pathway: TPG Cleantech leads concept/IP and EU consortium development; TPG is positioned for modular supply-chain, replacement kits and OEM licensing.



## Your Teams' Expertise

**Team strength:**

- **Concept ownership**
- **IP strategy**
- **Modular system logic**
- **Partner-facing roadmap**



**OEE  
Architecture**



**EU  
Consortium**



## Your Research Fields

Circular materials  
Modular manufacturing and replacement kits



Solar-thermal seawater conditioning  
Thin-layer steam generation



Centralized electrolysis  
Hydrogen / LH2 processing hubs



Phase-change desalination  
Low-salinity condensate production





## Your On-going Projects

OEE-S2S/P2C: modular coastal/offshore platform for safe-water production and future green LH2 hubs.

Harvest-node architecture: condensate + PV electricity routed to centralized electrolysis, hydrogen processing and storage.

Demonstrator pathway: virtual simulation → sizing → controlled prototype → marine pilot validation.



**Core value chain: Seawater → Safe Water → Clean Energy**



## Project Idea

Call: HORIZON-CID-2026-01-02 Clean Technologies for Climate Action; links to CL4 renewable process energy, circular materials and advanced manufacturing.

Project Idea: OEE-S2S/P2C modular nearshore/offshore hubs convert seawater and solar energy into clean water today and future green hydrogen/LH2 supply tomorrow. Floating branches produce low-salinity condensate and PV electricity, routed to harvest nodes for electrolysis and LH2 readiness.

Deadline Dates: Pitching submission 29 May 2026; event 4 June 2026; Horizon topic deadlines to be aligned with selected call.

Objectives: Validate condensate production, water quality, mass/energy flow, modular design and harvest-node integration.

Expected Results: Feasibility model, sizing matrix, demonstrator plan, consortium package and pilot roadmap.



## Project Idea

Call: HORIZON-CL4-2027-02-MAT-PROD-32; HORIZON-CL4-2027-01-MAT-PROD-02/-06/-22; potential Clean Industrial Deal collaboration.

Project Idea: OEE-S2S/P2C demonstrator and supply-chain programme: smart optical-arm solar capture, flat near-water PV platform, central steam-generator ball, marine-cooled condensation, centralized electrolysis feed and modular recyclable components.

Deadline Dates: To be aligned with the selected EU call and consortium coordinator.

Objectives: Build an EU pathway for digital twin simulation, DFMA, material durability, condensate testing, electrolyzer feed validation, LH2 interface study and port/coastal pilot planning.

Expected Results: Prototype-ready engineering package, measurement plan, replacement-cycle cost model and scalable business case.



## Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	TPG Cleantech / The Pham's Genius Inc.	SME / Concept owner	Canada	Project initiator, IP owner, R&I and commercialization lead
02	Genarch	Commercialization brand	USA / Global	Future modular supply-chain and OEM licensing vehicle
03	EU consortium coordinator	TBD	EU	Proposal coordination, call alignment, partner integration
04	Technical validation partner	TBD	EU	Simulation, prototype planning, testing and certification support
05	Industrial/OEM partner	TBD	EU / Global	Electrolysis, LH2, port or manufacturing integration



## Consortium – required partners


No	Expertise	Type	Country	Role in the project
01	Marine engineering, offshore validation, corrosion/material durability	RTO / engineering firm	EU / Associated	Simulate, size and validate marine demonstrator
02	Solar-thermal, PV integration, digital twin and process optimisation	University / RTO / tech SME	EU / Associated	Model energy flow, condensate yield and controls
03	Water quality, electrolysis, H2 drying/compression and LH2 interface	OEM / lab / industrial partner	EU / Associated	Validate feed water and hydrogen pathway
04	Ports, coastal municipalities, circular materials and advanced manufacturing	Port / public body / manufacturer	EU / Associated	Pilot site, materials supply, DFMA and deployment route

**PRESENTER CONTACT  
DETAILS:**

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**COUNTRY:**  
Canada

# Thank you

Seeking EU partners for clean water  
today and future green   
infrastructure tomorrow. ||

OEE-S2S/P2C: modular coastal/offshore  
hubs for the next clean industrial value  
chain.

