

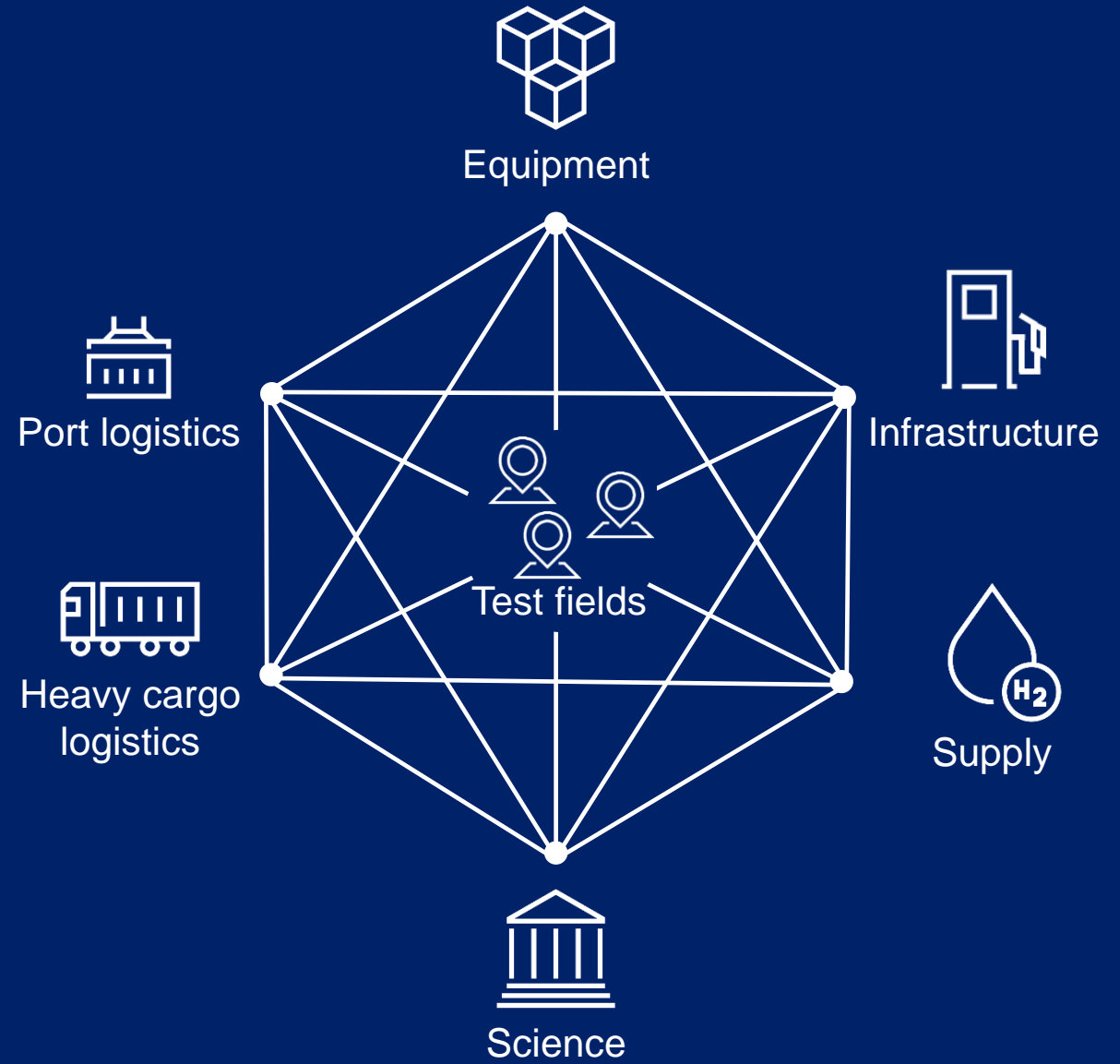


Clean Port & Logistics



The Cluster

Speeding up transition in heavy duty logistics and port operation



The Test Field

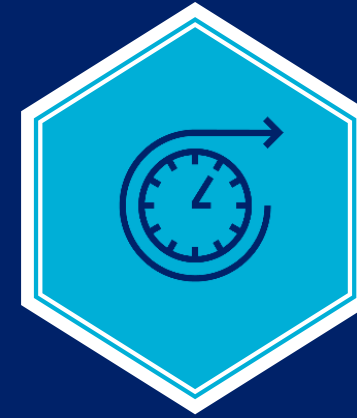
*Trial of hydrogen-powered
logistics equipment*



The Aims



**Robust
foundations** for
decision-making



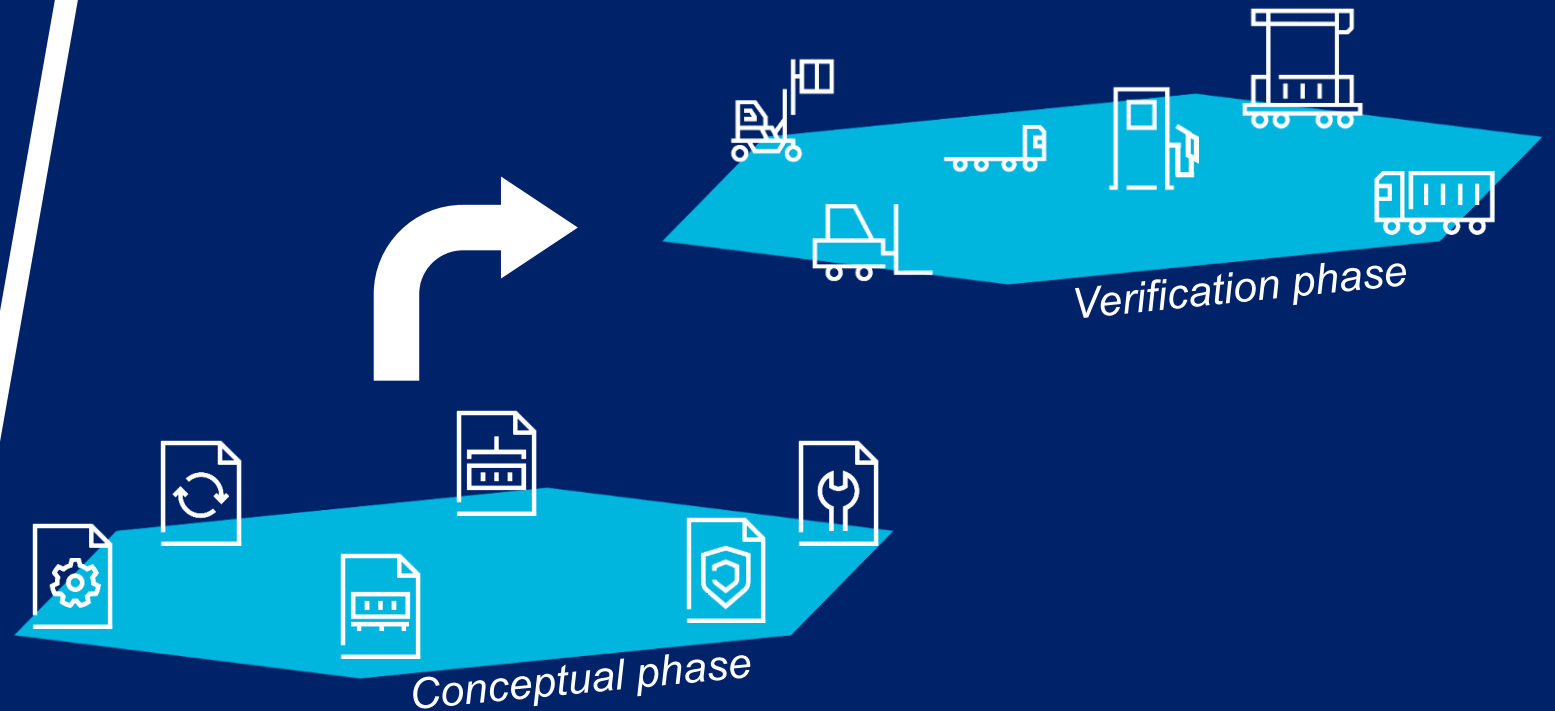
**Rapid market
maturity** of the
technologies



**Lively
marketplace** where
solutions quickly
find their users

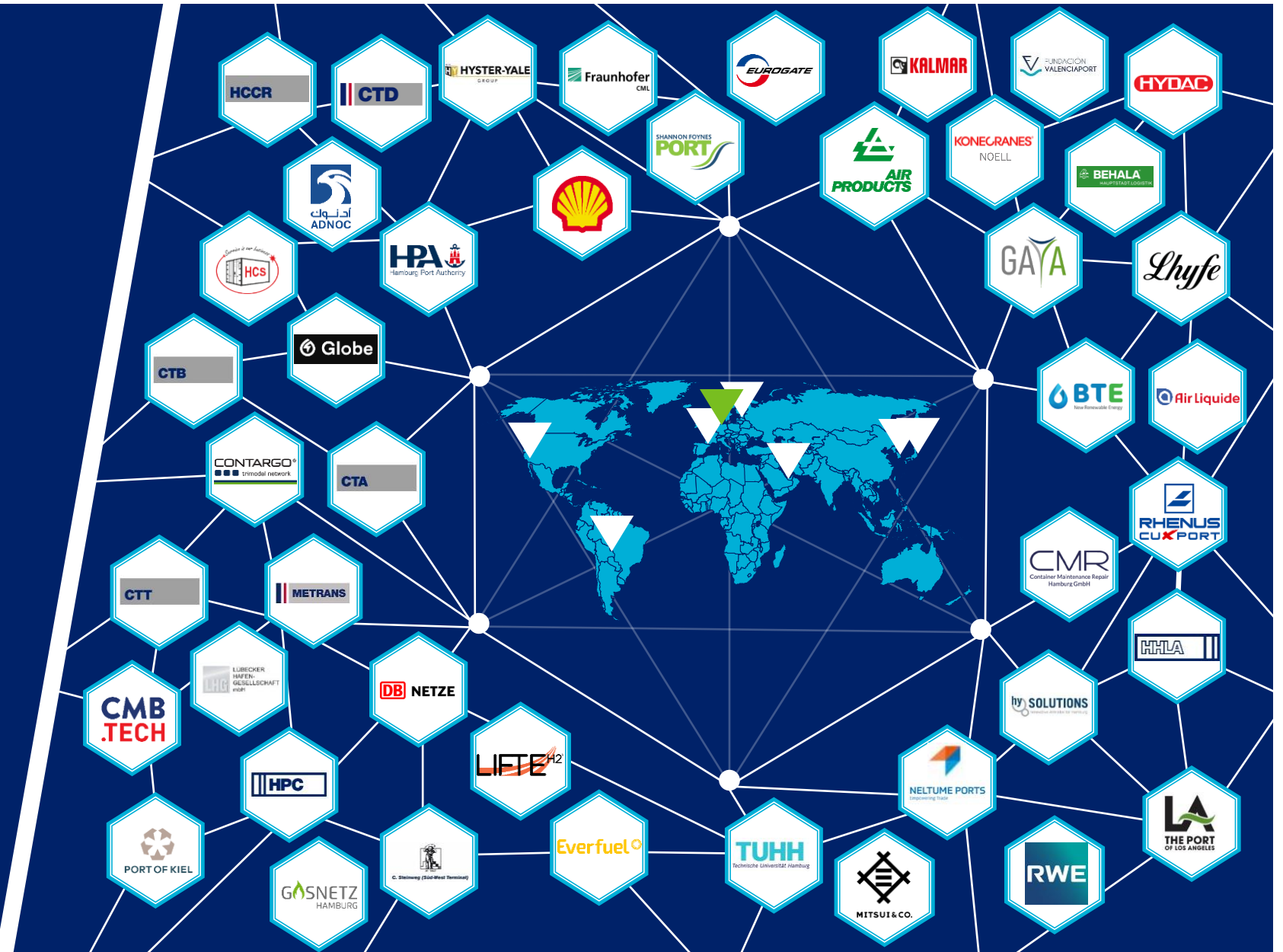
The Approach

*Validation of theoretical concepts
in real operation*



The Members

global, regional, local



Added Values

equipment and infrastructure providers



Direct Access to customers in the logistics sector with a **significant business potential**



Many customers are reached with the demonstration of one equipment unit



Direct feedback and different test scenarios lead to a **rapid market readiness**



Representing the interests in terms of hydrogen with a greater community

Added Values

*ports, logistics companies
and industry*



Specified test scenarios and duty cycles can be trialled on the test field in daily terminal business



The Findings could provide a robust ***foundation for decision-making***



Developed concepts can be used for the conversion of ***own equipment***



Representing the interests in terms of hydrogen with a greater community

Added Values

*decision makers and
scientific partners*



simulations based on real life data and
verified models to support decision
making



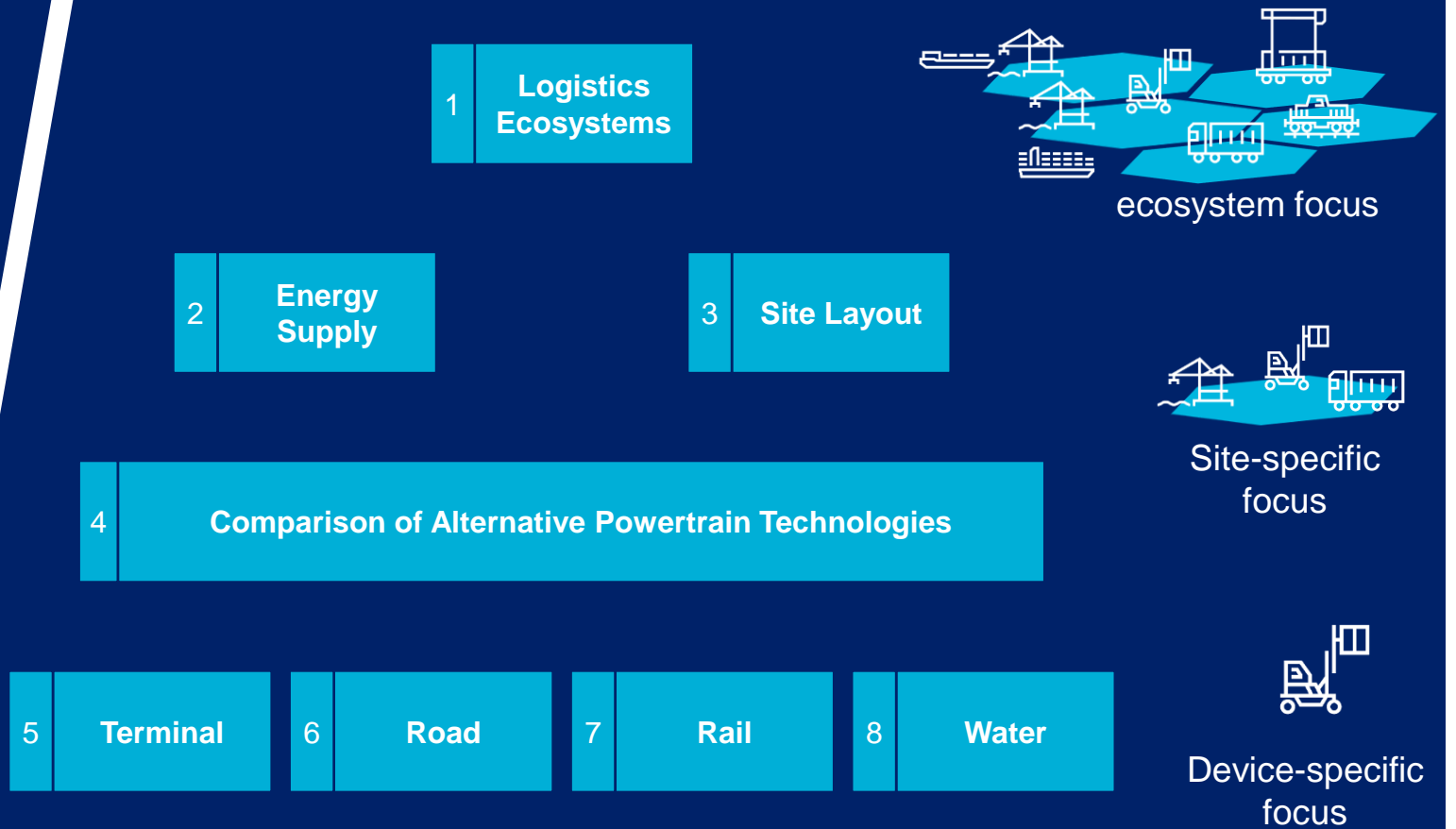
Real life data based ***models to
support decision making***



Direct contact to equipment
manufacturers and other logistics
companies for ***possible F/E projects***

Working Groups

Topics and focuses



Communication

Events and channels



General Meeting

Half-yearly
Member ABC



Media events

On demand
Member AB



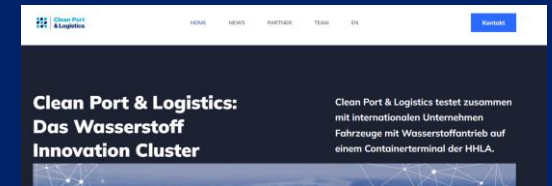
Working groups

Periodically
Member ABC



Excursions/Seminars

On demand
Member ABC



www.hydrogenports.org



<https://www.linkedin.com/groups/12723267/>

The Budget

A large part of the costs is covered by a funding from the BMDV

Budget



Financing





Vielen Dank



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