

# Arctic Hydrogen Corridor

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# What is Arctic Hydrogen Corridor?

- AH2C is a formal business cluster committed to contributing to the development of infrastructure for hydrogen refueling in Northern Norway, collaborating with Sweden, Finland, and the rest of Norway
- The cluster is set to cover the entire value chain; including producers, transporters, goods owners, technology and infrastructure suppliers, end users
- Established in 2023 with funding from Innovation Norway (750,000 NOK) and members (approximately 200,000 NOK)
  - Additionally, there will be contributions in the form of active participation in the network's activities

# Members in AH2C



# Why hydrogen for heavy-duty and long-haul transport?

- **Zero Emissions and clean air** as hydrogen fuel cell vehicles emit only water vapor as exhaust, making them a clean energy solution that can significantly improve air quality, particularly in urban areas and along busy transport corridors
- **Rapid Refueling** – about the same as conventional vehicles
- **Scalability for High Power Needs** without adding significant weight and reducing payload
- **Renewable Energy Integration** when produced through electrolysis effectively enabling the storage and transport of renewable energy and help balance power grids
- **Energy Security** since hydrogen can be produced locally from a variety of resources, including water, natural gas, and biomass

# Why participate in AH2C?

- We believe in knowledge-based decision making: The transition to Zero Emission is a big decision and information is needed
  - What's the current status of hydrogen production in my local area?
  - What is the Total Cost of Ownership (TCO) for hydrogen vehicles?
  - Who are the manufacturers of hydrogen-powered vehicles?
  - And will these be available where I am? And when?
- AH2C will contribute to the sharing of knowledge and the making of informed decisions
- Coordinated progress – the value chains must move in unison
- Together we are stronger and can "cut in line"

# Activities

- Knowledge Sharing - Create a common foundation of knowledge
- Meeting Places, both physical and digital
  - Network gatherings, study trips (IAA Transportation), mini-seminars
- Building Community and trust – we are stronger together and can attract attention
- Collaborations and joint activities with other networks and clusters
- Workshops and facilitation of joint projects
- Joint efforts towards full-scale implementation of hydrogen vehicles

# We must work together!

- The road to a world without diesel is bumpy and winding
- The value chain must collaborate and move in unison – and through AH2C and the other clusters and organizations we can achieve this



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