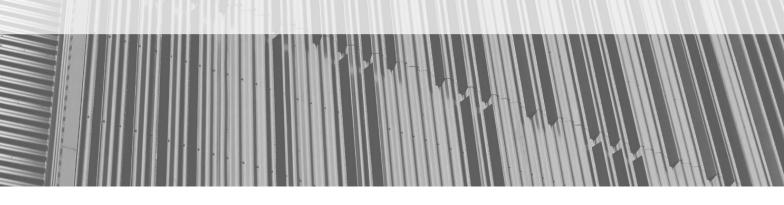


## Northern Dimension Future Forum on Transport – Brussels 20/11 2018

PPP Project Finnafjord Iceland

#### **Hafsteinn Helgason**

Director, Business Development and R&D





- Drift ice
- Ice blocks
- High waves and rough sea
- High wind speed
- Cold climate and low temperatures
- Fog













- Limited lowland
- Permafrost
- Steep and rocky mountains
- Remote areas and darkness the day through over wintertime
- Rural area
- Mosquitos
- Poor level of education
- Social problems
- Lack of infrastructure





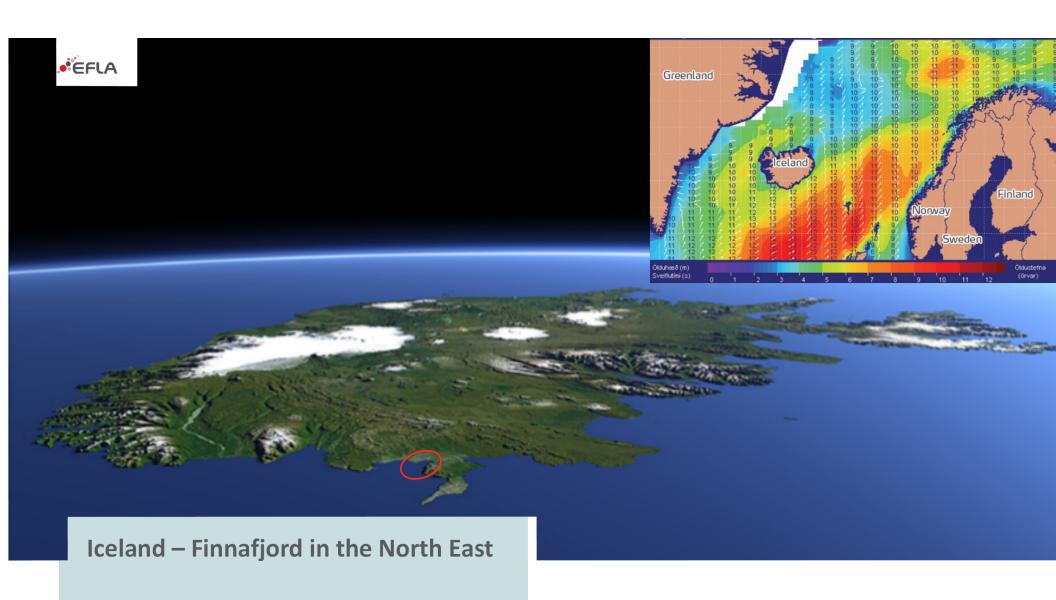


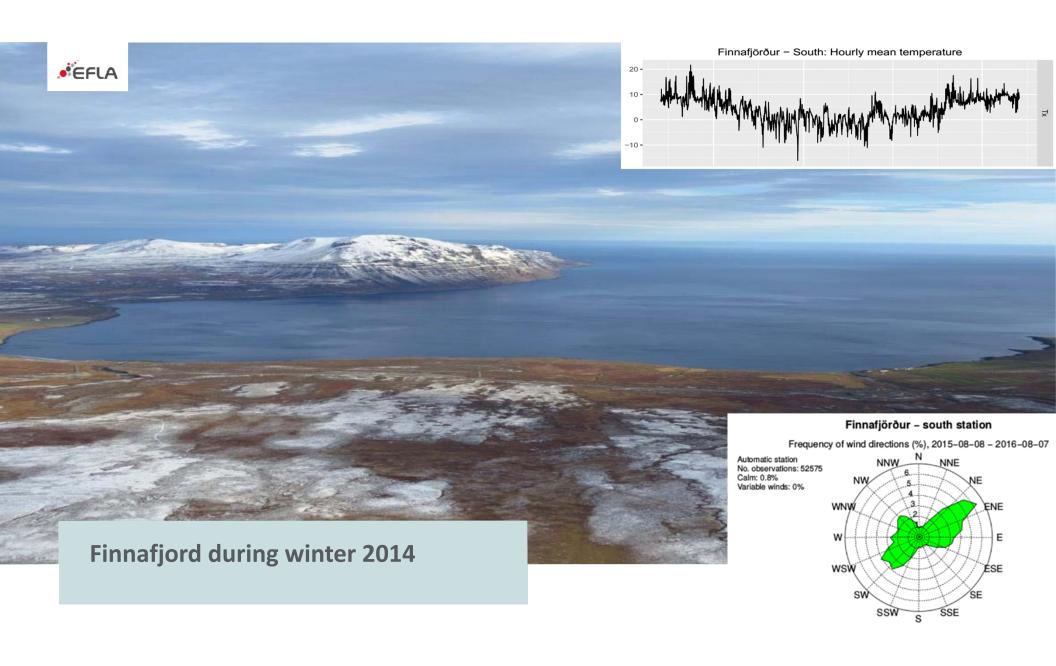
















## Trial pits – Ideal construction material





- Finnafjörður area is a vast quantities of loose sediments that were deposit at end of last Ice Age.
- The trial pits show a large amount of gravel qualified for construction.
- Firm bedrock was not reach due to thick sediments and unstable pit walls.
- Gravel and sand with a concrete mix quality.



## Finnafjord on the beaten track

Hub port / way port for trans-Arctic container and breakbulk shipping

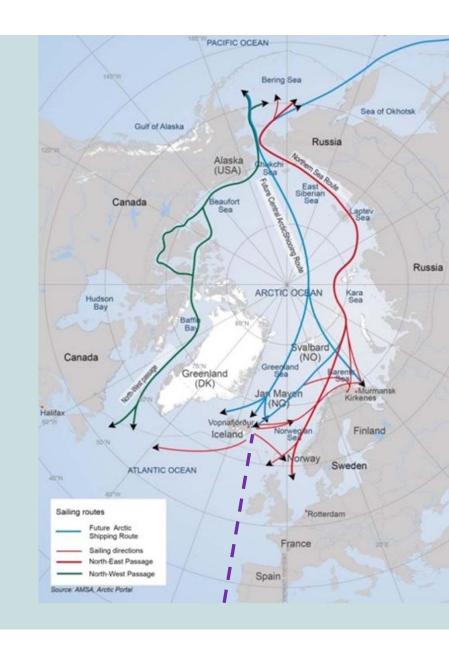
Bulk port/ Industrial site processing mineral products from Greenland

Base port for storage of oil from Arctic regions

Arctic search and rescue base port and a service port

Attractive industrial site harnessing 100% renewable energy – Large scale production of future fuels and proteins

New Cargo airport at same location as a multipurpose transhipment hub





# Finnafjord Cargo Hub - Connection to Demanding Markets

Location between USA (5-9 Hours, Europe 3-4 Hours and Asia 9-10 Hours)







### **Procject Partners**







Municipality of Langanesbyggd

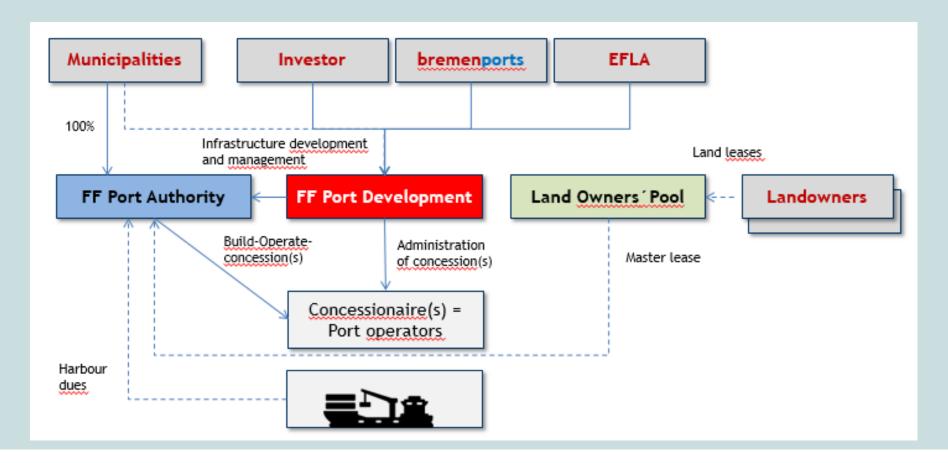


Municipality of Vopnafjardarhreppur



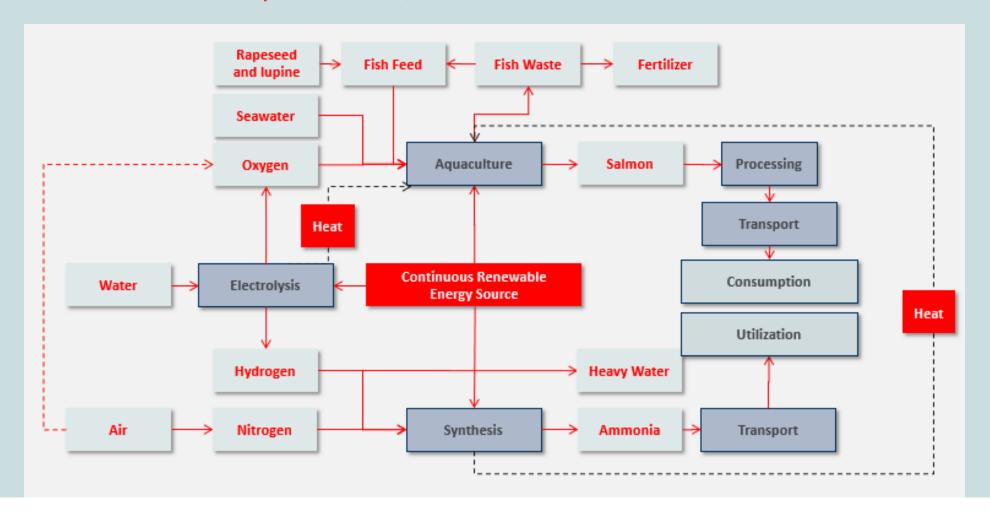
#### **PPP Model Structure**

• Based on an internationally accepted BOT-concession, during construction and operations phase:





# Industrial Aquaculture, Protein and Fuel Park





## **Operators and Timeline**

Promotion and Marketing Work 2025 → 2019-2025 2019-2023 Hydrogen & Green Ammonia Social Impact Study Multipurpose Terminal and Land Based Aquaculture Framework Plan & EIA Search and Rescue Ammonia export Terminal Brakewater/Infrastructure Basic Design Guideline 2035 2035 2030 **Bulk Terminal Breakbulk Terminal Container Terminal** Cargo Airport

