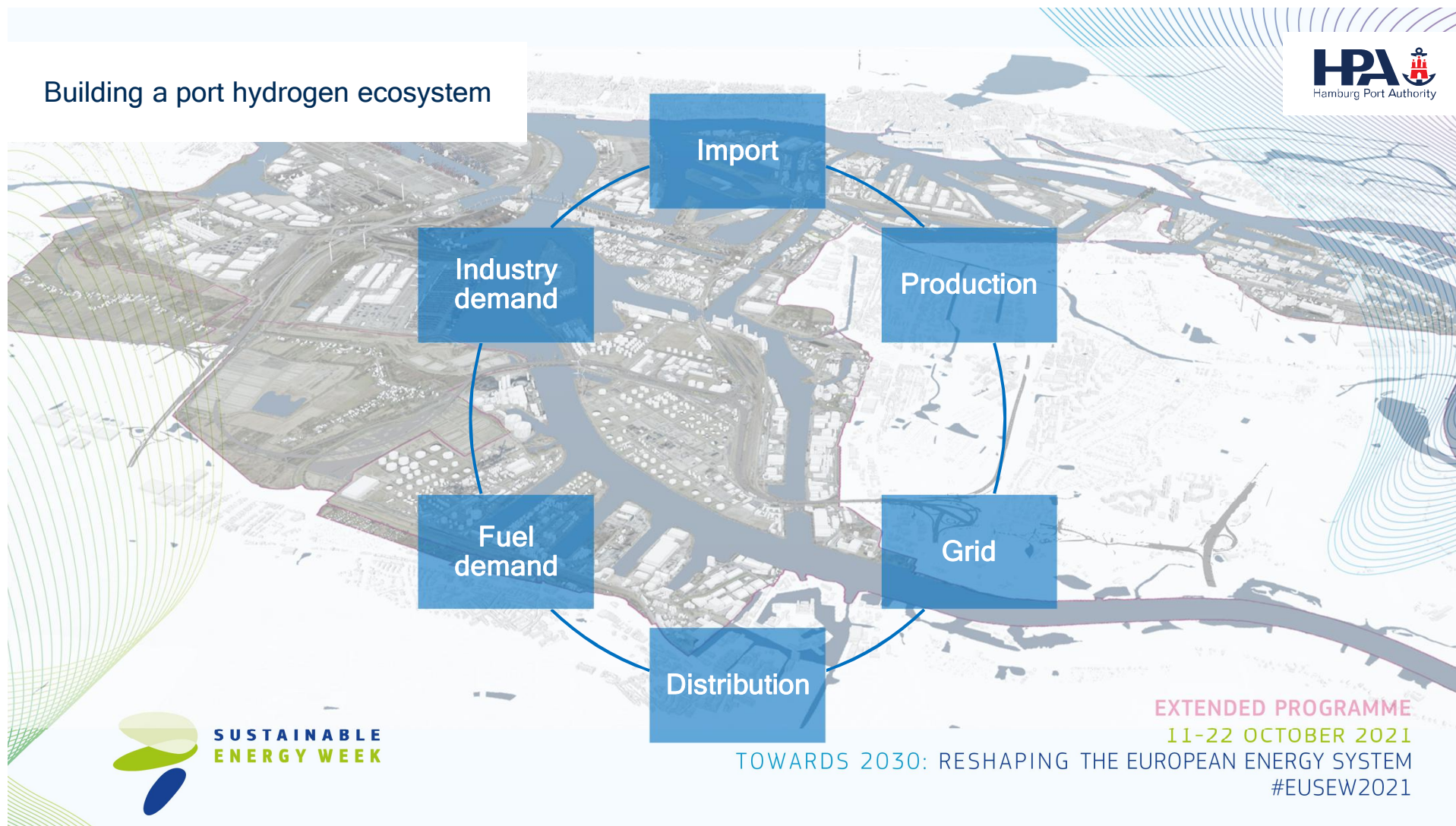


## Building a port hydrogen ecosystem



## Building a port hydrogen ecosystem

### Import

- Only pilot LH2 carrier Kawasaki (Japan)
- H2 Import likely through ammonia and methanol in the future LOHC
- Ongoing technical feasibility studies for an import terminal in Hamburg

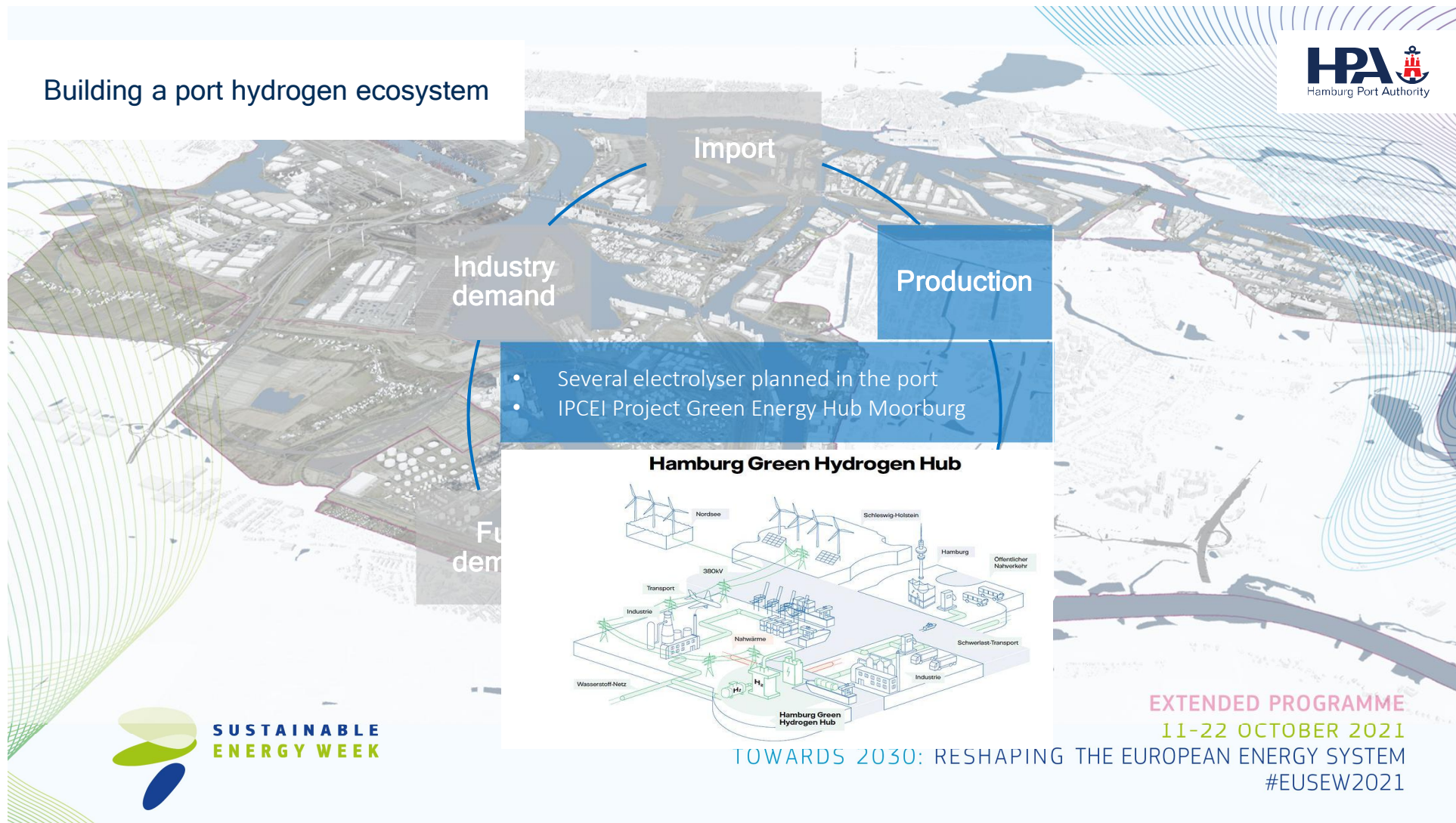
Industry demand

Fuel demand

### Distribution

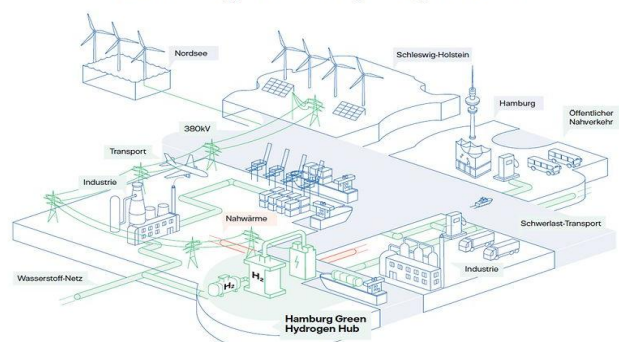


## Building a port hydrogen ecosystem

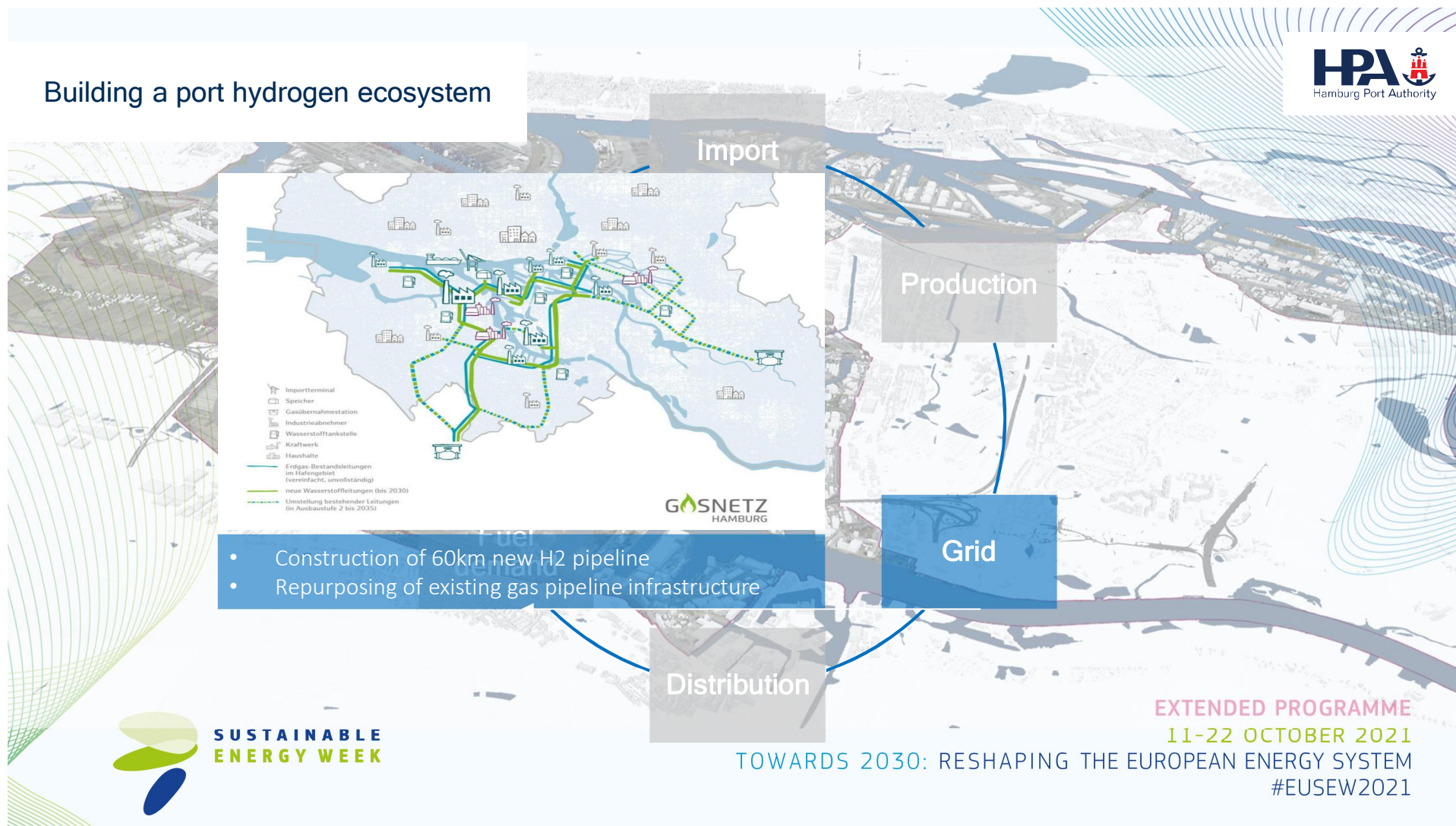


- Several electrolyser planned in the port
- IPCEI Project Green Energy Hub Moorburg

### Hamburg Green Hydrogen Hub



## Building a port hydrogen ecosystem



- Construction of 60km new H2 pipeline
- Repurposing of existing gas pipeline infrastructure

## Building a port hydrogen ecosystem



Industry demand

Fuel demand



- Several ongoing projects to develop a network of hydrogen filling stations with partners in the port for trains, vessels and trucks

Distribution

## Building a port hydrogen ecosystem

Industry demand

Fuel demand

Distribution



### IPCEI Projects

- HPA H2 locomotive planned in 2025
- HPA Flotte fuel cell barge in 2024
- Methanol and ammonia as potential fuel for larger container vessels

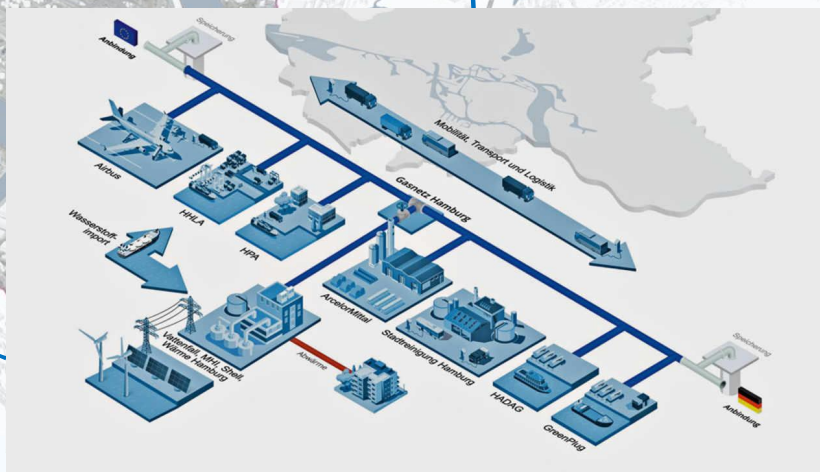
# Building a port hydrogen ecosystem

Import

Industry demand

- H2 will play a crucial role in the decarbonization of the industry esp. replacing Methane.
- Heavy industry esp. **steel and copper production** in the port with virtually endless demand for H2

Fuel demand



# Further Information



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EXTENDED PROGRAMME

11-22 OCTOBER 2021

TOWARDS 2030: RESHAPING THE EUROPEAN ENERGY SYSTEM

#EUSEW2021