

# **Economic and Social Council**

Inland Transport Committee

21 August 2023

**Working Party on the Transport of Dangerous Goods**

Original: English

**Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)**

**Forty-second session**

Geneva, 21-25 August 2023

Item 3(b) of the provisional agenda

**Implementation of the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN): special authorizations, derogations and equivalents**

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**Request for a recommendation on the use of hydrogen fuel cells for the propulsion of the vessel "Antonie"**

**Transmitted by the Government of the Netherlands**



**DRY CARGO**  
**CONTAINER VESSEL**  
**ANTONIE**

**WATERSTOF ELEKTRISCH  
VRACHTSCHIP ANTONIE**

**ANTONIE – WEVA 1**



OECHIES ELEKTROTECHNIEK



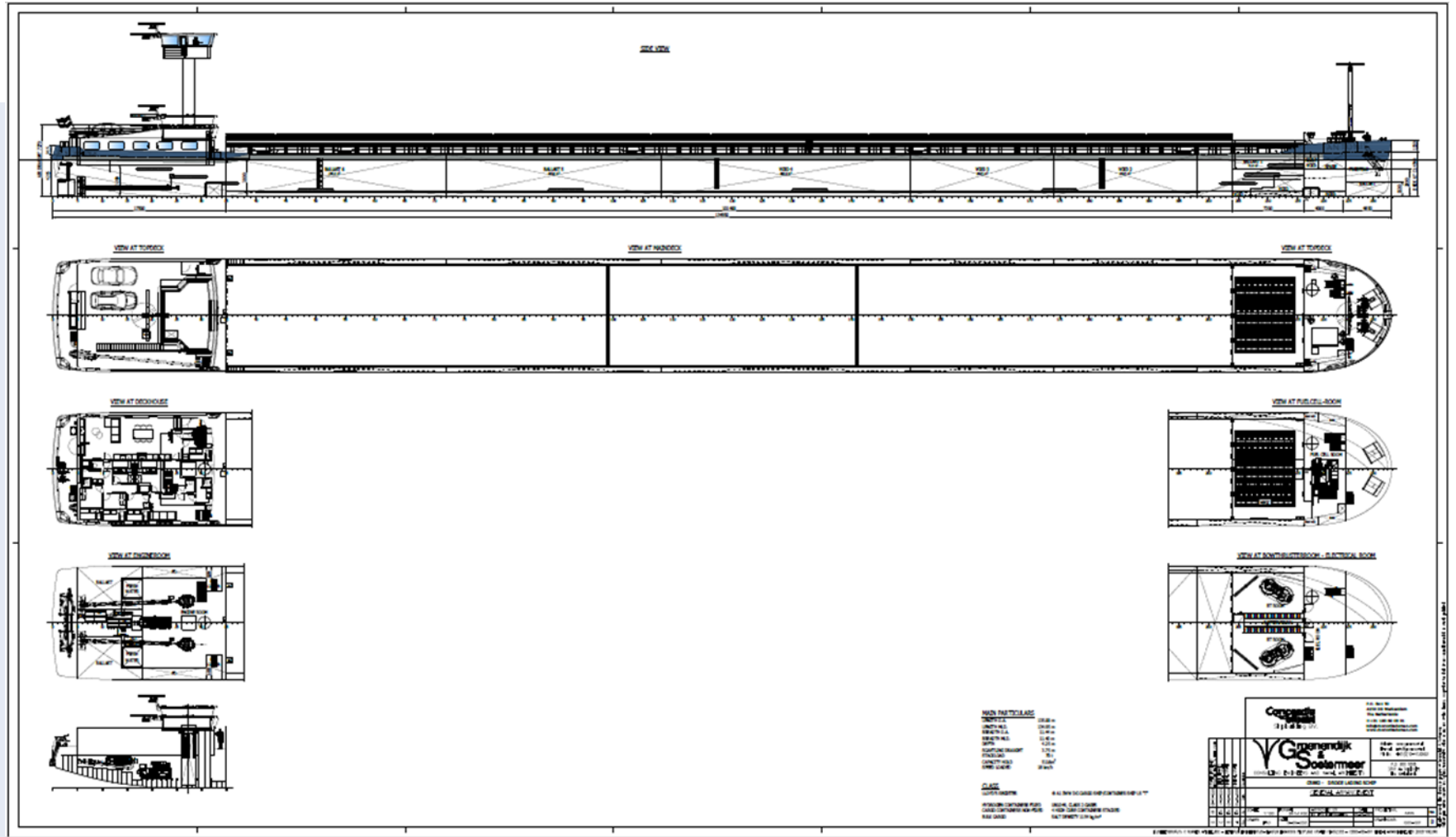
# ANTONIE – INVOLVED PARTIES

### Dimensions:

Length: 135 m  
Breadth: 11,45 m  
Depth: 4,25 m  
Draught: 3,75 m

Fuel Cell: 1x 300 kW  
Hydrogen: 3x 400 kg  
Battery: 1.1 MW  
Gen set: 600 kW  
(for emergency)

Sufficient energy for one roundtrip Delfzijl-Rotterdam Botlek-Delfzijl.



# ANTONIE MAIN DIMENSIONS



## Timeline

### 1. Delivery of the hull

*January 2023*

### 2. Technical files hydrogen installation

*January 2023*

### 3. Installation of hydrogen system on board

*March to September 2023*

### 4. Commissioning of hydrogen system

*September-October 2023*



# TIMELINE



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THANK YOU