



PLATFORM ZERO INCIDENTS

join the journey, break the pyramid



Year report
2023

01 INTRODUCTION

MISSION

Platform Zero Incidents (PZI) strives for zero environmental and safety incidents in the inland shipping industry in the West European working area.

VISION

Platform

We have established a dedicated platform where members can share near misses and incidents. This initiative is designed to foster learning and improve safety across the industry, directly supporting our mission.

Preventing Recurrence

Prevention of recurrence of near misses/incidents by developing and promoting best practices based on investigation and analysis of (trends of) near misses/incidents.

Building Relationships

We are committed to building sustainable relationships with our stakeholders. By enhancing trust, transparency, and collaboration, we create a stronger, more unified approach to safety and operational excellence.

Raising awareness

We actively work to elevate safety responsibility and awareness throughout the industry, ensuring that all parties recognize and fulfil their roles in maintaining and improving a safe operational environment.

Centre of Expertise

Our organization aspires to be the leading centre of expertise in preventing safety and environmental incidents within the inland shipping industry. By spearheading initiatives and sharing knowledge, we aim to set the standard for safety and environmental stewardship.

THE MAIN OBJECTIVES TO FULFILL THE MISSION AND VISION



- ◆ We organize quarterly meetings with our members to discuss trends and concerns related to environmental and safety issues. These meetings are focused on identifying and implementing practical solutions that align with current legislation and best practices;
- ◆ We actively seek constructive interactions with stakeholders to enhance safety across the industry. Our goal is to foster collaboration and ensure that safety remains a top priority;
- ◆ We are committed to creating uniform, feasible guidelines that can be effectively implemented across the industry. Continuous monitoring ensures these guidelines remain relevant and practical;
- ◆ We encourage our members to share their practical experiences with incidents. This sharing of knowledge is vital for understanding and improving existing agreements and procedures;
- ◆ We facilitate the exchange of knowledge and expertise with stakeholders on safety topics that are crucial to the inland shipping industry. This exchange helps keep the industry informed and proactive in addressing safety concerns;
- ◆ For topics that require more in-depth discussion or elaboration, we organize regular preliminary meetings. A select committee addresses specific subjects, bottlenecks, and questions, and then presents proposed solutions during the Quarterly Meetings.

The platform can support other working parties or bodies in their initiatives if this:

- ◆ Promotes overall safety in inland shipping;
- ◆ Clarifies the compliance to current legislation;
- ◆ Improves cooperation, communication and effectiveness, and;
- ◆ Is without conflicts of interest and without obligations.



INCIDENT TAKES PLACE



RESEARCH AND ANALYSIS



REPORTING AND SHARING



ANALYSIS AND TRENDS



SHARING OF LESSONS LEARNED



TOGETHER TOWARDS ZERO INCIDENTS

WHAT WE DO

Platform Zero Incidents (PZI) contributes to a broadly supported pursuit of zero incidents in inland shipping.

Operators, shipping companies and ship owners share and develop knowledge on incidents in the inland shipping industry to prevent recurrence in the future. PZI is an initiative by and for the inland shipping industry.

WHO WE ARE

Platform Zero Incidents is an independent initiative under the umbrella of Koninklijke Binnenvaart Nederland (KBN), with its own Steering Committee, members and program management.

GERRIT

Our mascot's name is Gerrit, named after Gerrit Bedet, an important safety advocate in the inland shipping industry.

THIS DOCUMENT

Openness and transparency is highly valued within PZI. Therefore, this annual report was created, to create insight into activities and achievements of the previous year.



Some achievements in the past years

- ◆ Guideline winches -> based on severe incidents
- ◆ Bunkering fuel -> limiting spills by new luboil coupling
- ◆ Raising awareness for not empty loading arms/hoses in the industry

02 members



Alpinist SA	Dettmer Reederei	Naval	Unibarge
AMS B.V.	Deymann Tankrode Logistics	Naviglobe	Universe Shipping
Anaco	Fluvia	Oudcomb	Vario Shipping
BFT Tanker	GEFO/UNITAS	Plouvier/Intertrans	Van Loon Shipping
Burando	HBS	Reederei Jaegers	Victrol
CFT	HGK Shipping	Somtrans/Vinotra	VT Group/Unilloyd
DBS BV	Interstream Barging	Stetrag	
Scheepvaartbedrijf Dari	Maaskade/Trendco	Stolt Tankers	
Deen Shipping	Maintank	TankMatch	

STAKEHOLDER MEMBERS

Binnenvaart Kennis	Marin	Shell
BP	Netherlands Maritime Technology	TVM verzekeringen
Dräger	Port of Amsterdam	Total Energies
EOC	Port of Antwerp/Bruges	Transafe
INEOS	Port of Rotterdam	

OTHER COLLABORATIONS

Below some examples how PZI participates with other organizations or initiatives.

Smart Shipping Initiatives

PZI is actively involved in various workgroups and meetings where smart shipping is the primary focus. These efforts are aimed at advancing innovation and technological integration within the inland shipping industry.

Government Collaboration

PZI's data plays a crucial role in forums such as the ADN Safety Committee and CESNI/PT, particularly concerning technical topics related to barges. Our contributions help shape policies and standards that enhance safety in the industry.

BG Verkehr

Presentation of PZI during the „Branchenkonferenz Binnenschifffahrt 2024“ of BG Verkehr. In the presentation the vision and set-up were shared with a broader audience. The outcomes in respect to wheelhouse-bridge collisions were presented as a showcase.

Landelijke Ketenpartneroverleg Veiligheid op het water

PZI takes part in the Landelijke Ketenpartneroverleg Veiligheid op het water of NIPV, a workgroup around incident response on the Dutch waters.

CTGG

PZI leads the workgroup dedicated to the safe clearing of cargo lines, aimed at preventing spills and exposure to hazardous residues left in loading arms, cargo hoses, and vapor return hoses. This initiative is critical to minimizing environmental risks and protecting crew safety.

VOW

PZI regularly participates in the VOW (Verladers Overleg Werkgroep) meetings in the Netherlands and Belgium. These operational workgroups concentrate on the ship-shore interface, bringing together members from shipping and transport industry organizations to discuss and resolve key issues

Cooperation with:

- ◆ OCIMF – The Oil Companies International Marine Forum
- ◆ AWO - The American Waterway Operator

03 ACTIVITIES

EVENTS & MEETINGS

Quarterly Meetings

Each quarter, our members convene to share insights and lessons learned from recent incidents and near misses. These meetings provide a platform to review incident data, discuss trends, and identify new areas of focus for improving safety across the industry

Stakeholder Conference

We host an annual Stakeholder Conference where all stakeholders are invited to review our incident statistics, discuss recent developments, and explore future plans. This event fosters transparency and collaboration, ensuring that all parties are aligned in their commitment to safety.



PZI Industry Safety Day

Every year the PZI Industry Safety Day takes place. This is a key event where industry participants collaborate to identify and prioritize safety themes for the coming year. In 2023, the following focus areas were identified:



- ◆ Smart Shipping: raising awareness about how to incorporate new techniques and developments. Sharing incident information and lessons learned, connect with authorities for data, participate in work groups about legislation and standards.
- ◆ Crewing: working on standardization in technical solutions, procedures/training

and language. Also working towards solutions for the shortage of qualified personnel. Facilitating meetings with government organizations.

- ◆ Infrastructure: using data to identify bottlenecks and make them known at the right organizations (RWS, Harbours).
- ◆ Standardization on barges for better human interface: create a work group around this topic.
- ◆ New fuels: part of the innovations workgroup.

SAFETY CAMPAIGN

Each year, we launch a campaign to raise awareness around a specific safety theme. In 2023, the focus was on the “Safe Passage of Bridges.” This initiative stemmed from a comprehensive investigation into the root causes of wheelhouse/bridge collisions. Based on the findings, we developed a targeted campaign.

Over a four-month period, the majority of our communications with members and stakeholders, including Safety Flashes and Alerts, centered on this critical issue. Additionally, we produced an animation that emphasized key aspects of a journey crucial for ensuring a safe passage under bridges.



WHEELHOUSE BRIDGE COLLISIONS



Elements that were part of this campaign:



- ◆ Animation
- ◆ SA Mental Fitness (see 03.5)
- ◆ SA Filling Cofferdams
- ◆ SF Defensive Sailing
- ◆ SF Passing Bridges Safely

TRAINING & WORKSHOPS

Root Cause Analysis Training

PZI provided all members with the opportunity to participate in a Root Cause Analysis (RCA) training, facilitated by Hadrion. This training, which also served as a refresher course, was designed to equip members with the fundamental skills needed to conduct incident investigations. By understanding and addressing the root causes of incidents, members can implement programs and procedures that significantly enhance safety within their organizations.

Stop-Work-Authority Workshop

A workshop on Stop-Work-Authority (SWA), facilitated by Quattor P, was made available to all members. This workshop aimed to enhance the effectiveness of SWA implementation across organizations. It combined theoretical learning with practical exercises, including policy refinement, an organizational scan, and strategy development to improve SWA's impact within member companies.

DOCUMENTS

Safety Flashes

- ◆ Crew Change
- ◆ Electricity
- ◆ Slip, Trip and Falls
- ◆ Winch
- ◆ Hoisting
- ◆ Permit to Work
- ◆ Life Jacket
- ◆ Waiting Berths

- ◆ Voyage Planning: Part of the Campaign
- ◆ Defensive Sailing: Part of the Campaign
- ◆ Passing Bridges Safely: Part of the Campaign
- ◆ Distraction: Part of the Campaign

SAFETY ALERTS

A list of all Safety Alerts sent out in 2023:

- ◆ Filling Cofferdams
- ◆ Mental Fitness

BEST PRACTICE GUIDANCE

A list of all Best Practice Guidance sent out in 2023:

- ◆ BPG TGAIN (new)
- ◆ BPG Fire on Board

PZI WORK GROUPS

Innovations

This work group focuses on evaluating the impact of new innovations and emerging trends on the safety of inland shipping. In the past year, the group concentrated on the Track Guidance Assistant for Inland Navigation (TGAIN), resulting in the creation of a Best Practice Guidance to support its safe implementation.

Harbors

In collaboration with harbor stakeholders, this work group addresses safety issues specific to harbor areas. The discussions aim to identify and resolve safety challenges unique to these environments, ensuring safer operations within ports.

Lines

Working closely with shore-side partners, this work group focuses on safety related to lines and arms. The group considers both technical and procedural improvements to enhance safety. In 2024, a Best Practice Guidance on these topics is anticipated.

04 INCIDENT STATISTICS

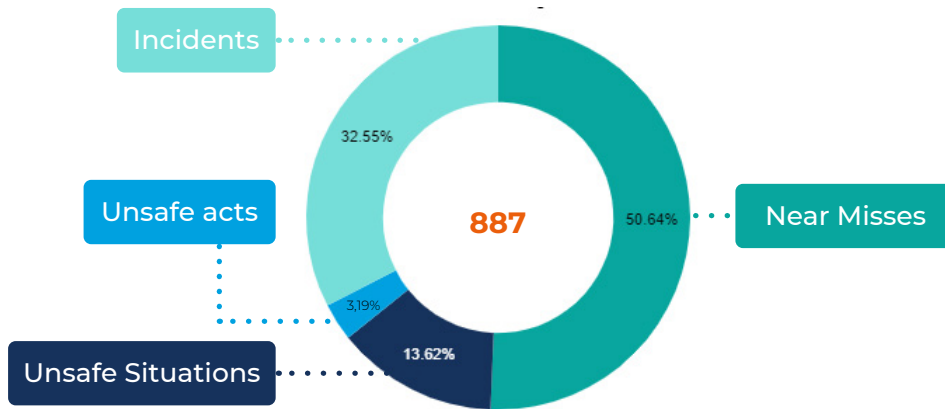


Incident statistics form the foundation of PZI's work. Our database serves as the backbone for decision-making, guiding the selection of themes and topics that require focused attention.

Below, we present several graphs that broadly categorize the types of reports we received in 2023.

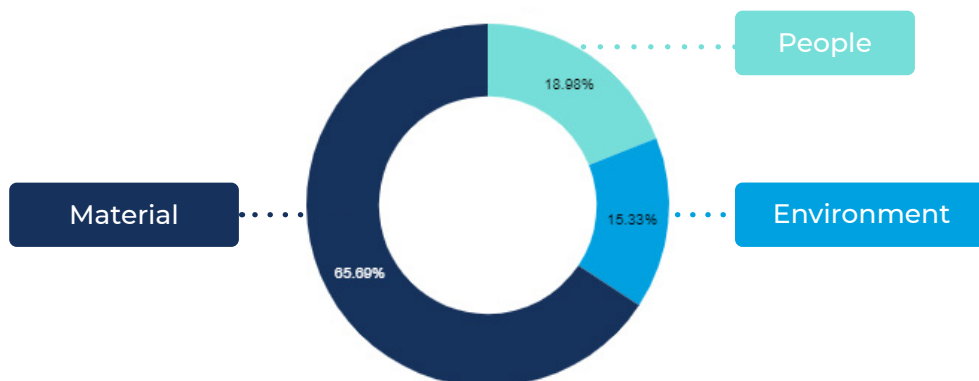
DISTRIBUTION OF TYPES OF REPORTINGS 2023

In 2023, we recorded 887 reports, with the majority categorized as near misses and incidents.

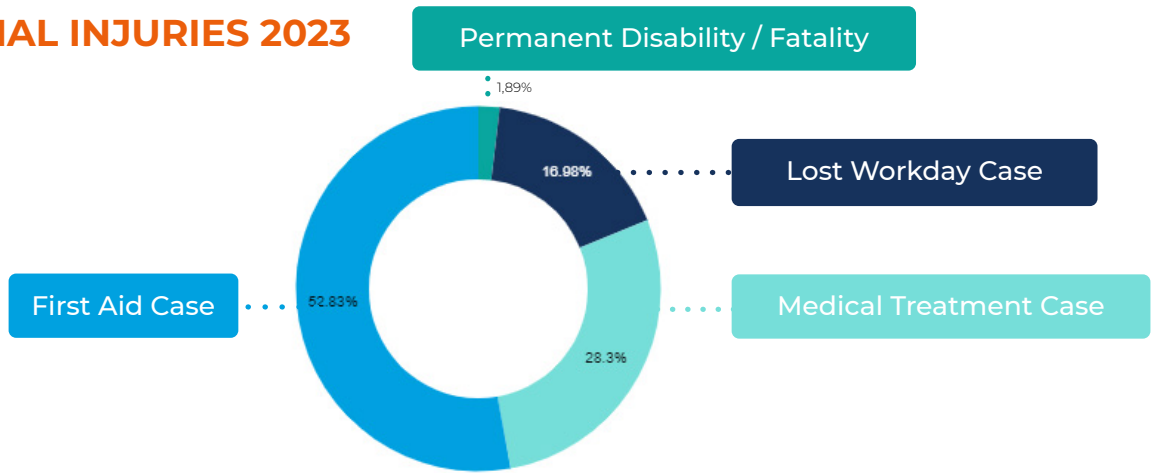


CONSEQUENCES OF REPORTED INCIDENTS 2023

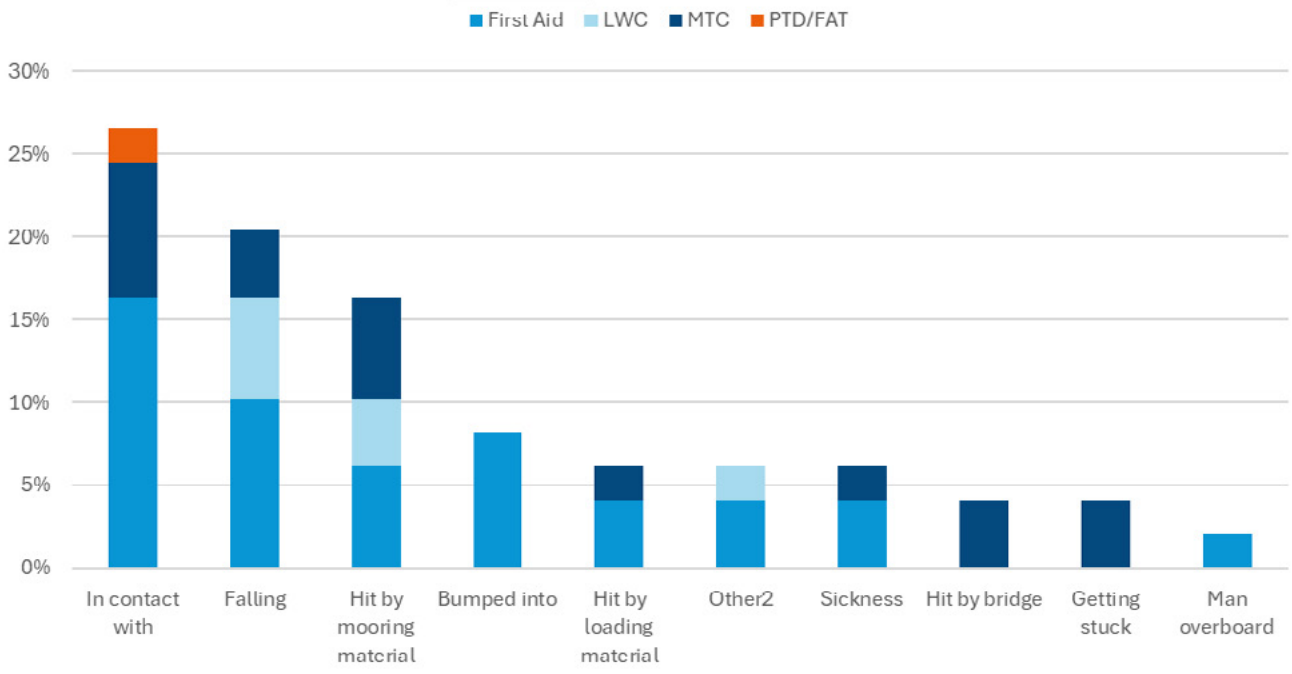
The analysis of these incidents reveals that most of the consequences involved material damage. More detailed breakdowns are provided in the following graphs.



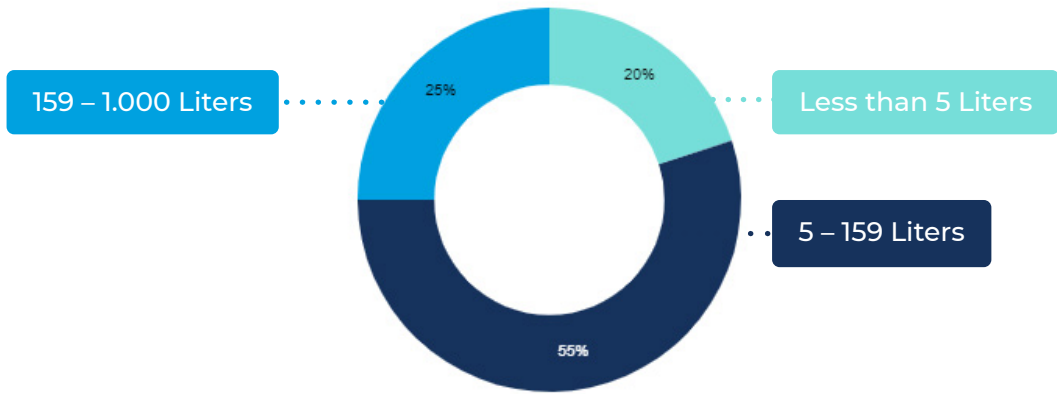
PERSONAL INJURIES 2023



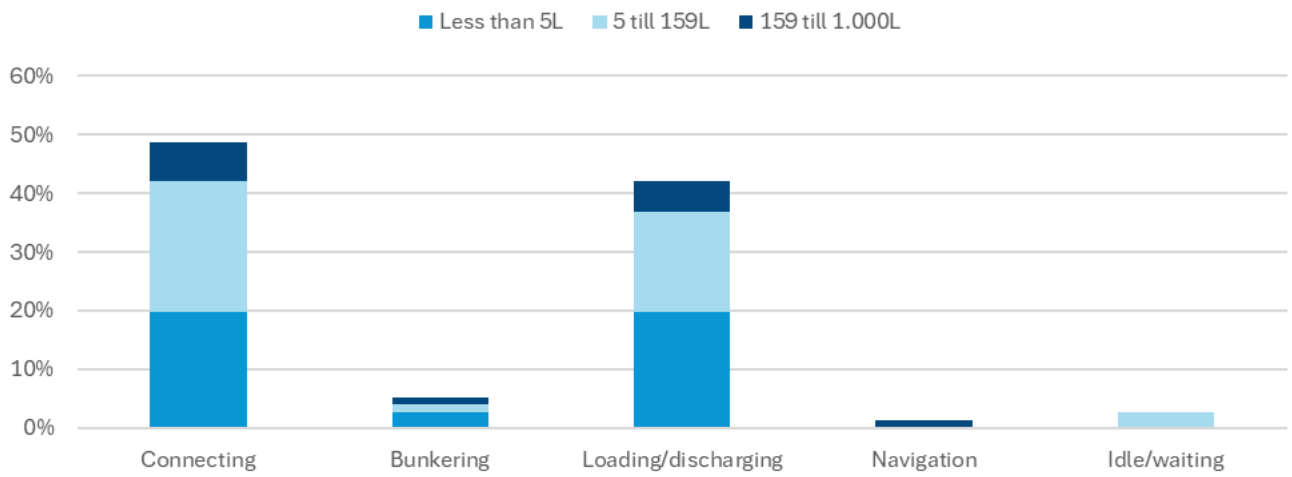
HOW PEOPLE GET HURT



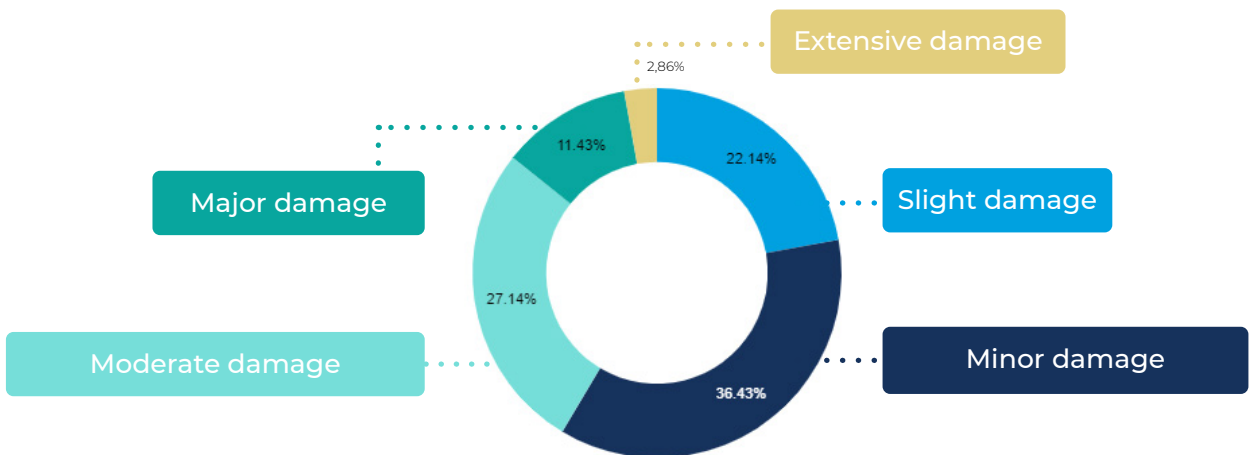
ENVIRONMENTAL INCIDENTS 2023



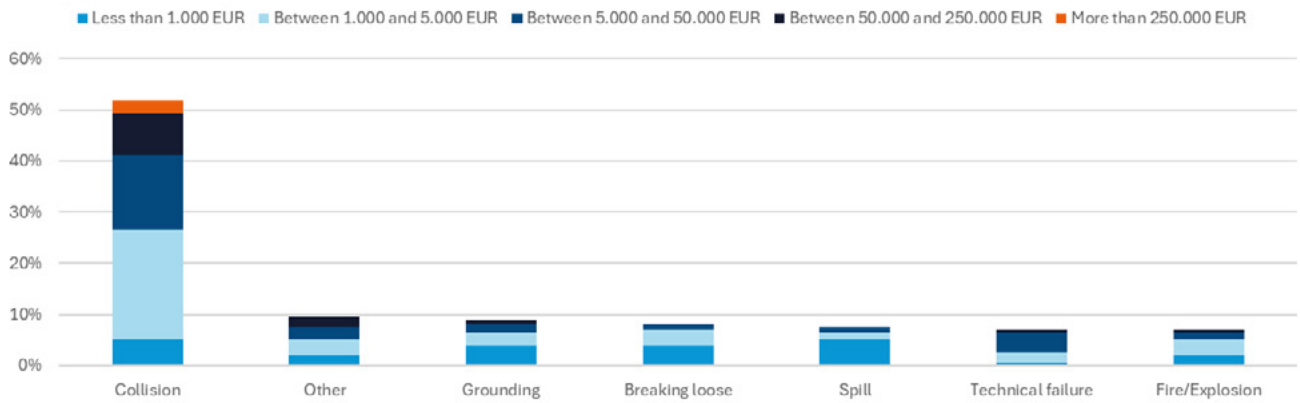
WHEN ENVIRONMENTAL POLLUTION HAPPENS



MATERIAL INCIDENTS 2023



WHEN THE DAMAGES HAPPENS



05 FUTURE CHALLENGES



The pace of change in the inland shipping industry is accelerating, bringing new challenges, particularly in areas such as alternative fuels, automation, and crewing. At PZI, we closely monitor these developments with a strong focus on safety. When necessary, we take proactive measures to address emerging risks. To better navigate these challenges, we have established a dedicated Working Group to ensure a coordinated and effective response.

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