



# GISMAN, SINCE 1862.

Subsidiary of **OCEA** since 2001

1

Implementation of major historic lighthouses and light stations on all continents

2

Acknowledged as a pioneering designer and manufacturer of modular plastic navigational buoys in the early 1990s.

3

Market introduction of its own range of marine lanterns and applications suite for monitoring and maintenance in 2022.



Quality Management System approved ISO 9001:2015.

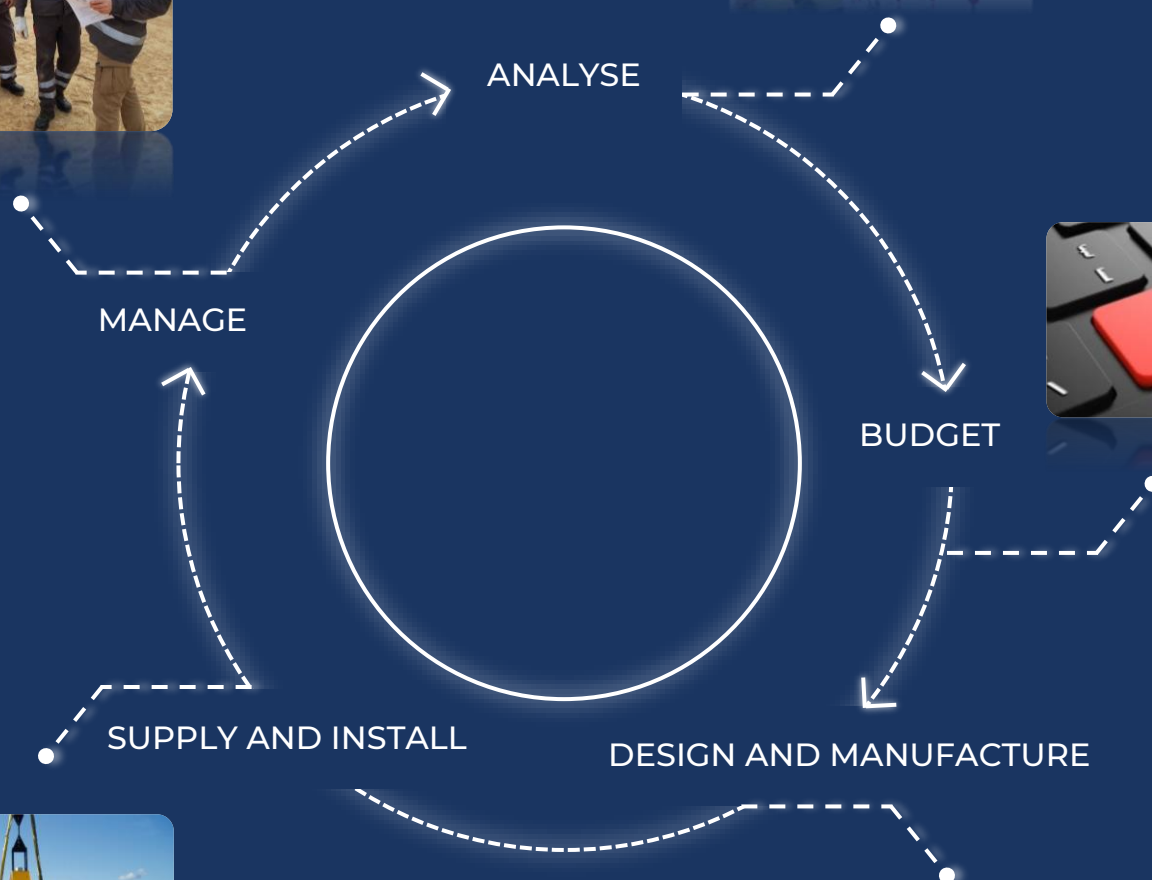


IALA created in 1957, of which Gisman is member since 1966.

# A CUSTOMIZED SUPPORT

## A Global Offer

- Analyse your expectations
- Conception by an in-house Design Dept
- Realisation and supply of equipment
- Installation and commissioning
- Staff training
- After-sales service



# CONTENTS

1

## SAFETY OF INLAND WATERWAYS

- National inland navigational rules
- Transnational inland navigational rules

2

## GLOBAL AND MODULAR OFFER

- Floating marking
- Fixed marking

3

## REFERENCES

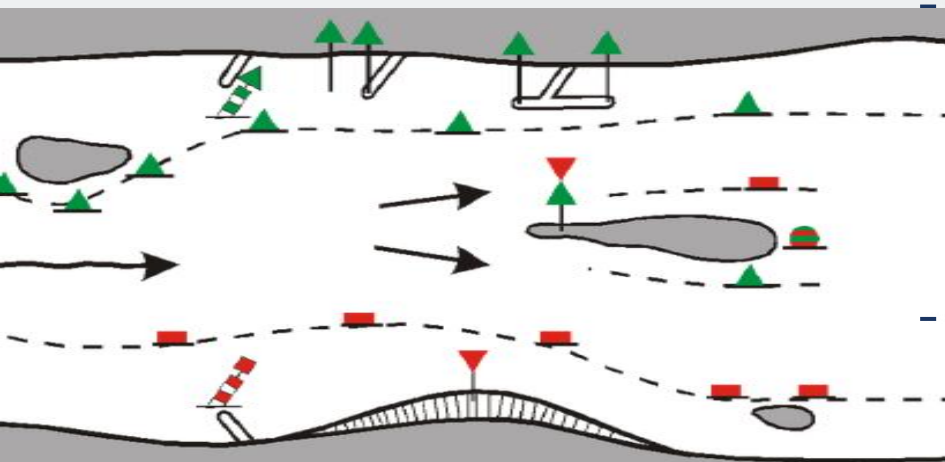
- Africa
- Asia & America
- Europe



# SIGNS AND SIGNALS OF INLAND WATERWAYS

# SAFETY OF INLAND WATERWAYS NAVIGATION

## RESPECT OF INLAND NATIONAL AND TRANSNATIONAL NAVIGATIONAL RULES



- **Floating marking**

Deployed on navigable ways

- **Fixed marking**

Installed on riverbanks, harbours  
and engineering structures



# FLOATING MARKING



# APPLICATIONS

- Channel limits in the waterway
- Spikes and median benches
- Hazardous points
- Bridge piers and overhead lines
- Lakes and large waterways
- Prohibited or restricted areas
- Ports entrances



# FLOATING MARKING

A complete range of buoys



## ALL TYPES OF SITES

Rivers

Streams

Lakes

Lagoons

Estuaries

...

## ALL SITE CONDITIONS

Diameter from 0.9m to 2.6m

Currents until 7 knots

## POLYETHYLENE

Less maintenance

Lighter

Modular

Eco-friendly

	GISMAN buoys	<u>GBP-900</u>	<u>GBR-1250</u>	<u>GBP-1500</u>	<u>GBP-1800</u>	<u>GB-2600-ECO</u>
	Float diameter	0.90 m	1.25 m	1.50 m	1.80 m	2.60 m
Application	Lake / lagoon	X	X	X	X	X
	River	X	X	X		
	Large river			X	X	X
	Estuary				X	X
	Max. current speed	2 knots	7 knots	7 knots	3 knots	6 knots

# FIXED MARKING

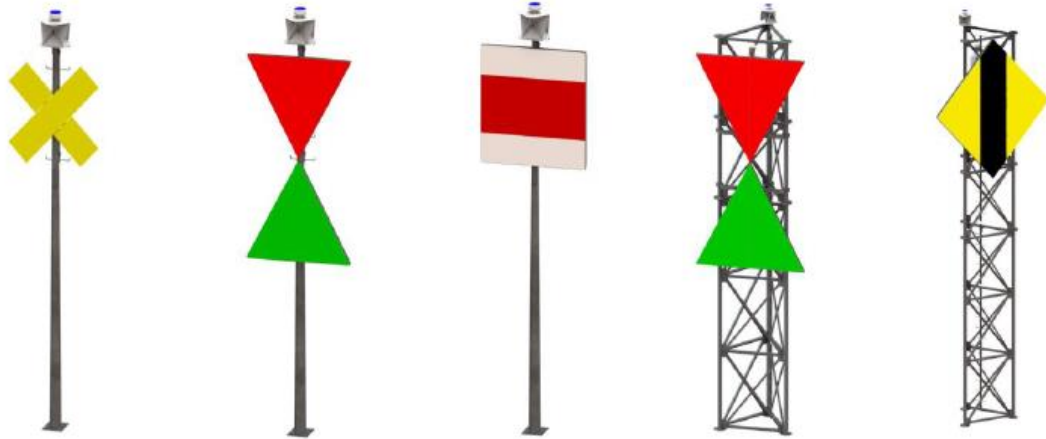
## APPLICATIONS

- Channel in relation to banks
- Crossing markings
- Hazardous points
- Diversions, mouths, harbour entrances
- Marking alignments
- Marking bifurcations
- Kilometric indexes
- Flood marking



# FIXED MARKING

Edge markers and their supports



## MODULAR CONCEPTION

Easy to deliver to site  
No heavy logistics

## NO MAINTENANCE

Aluminum/PE/aluminum sandwich panels  
with low sensitivity to temperature  
variations, humidity and UV rays

Guaranteed long-lasting colors

Anti-vandalism protection

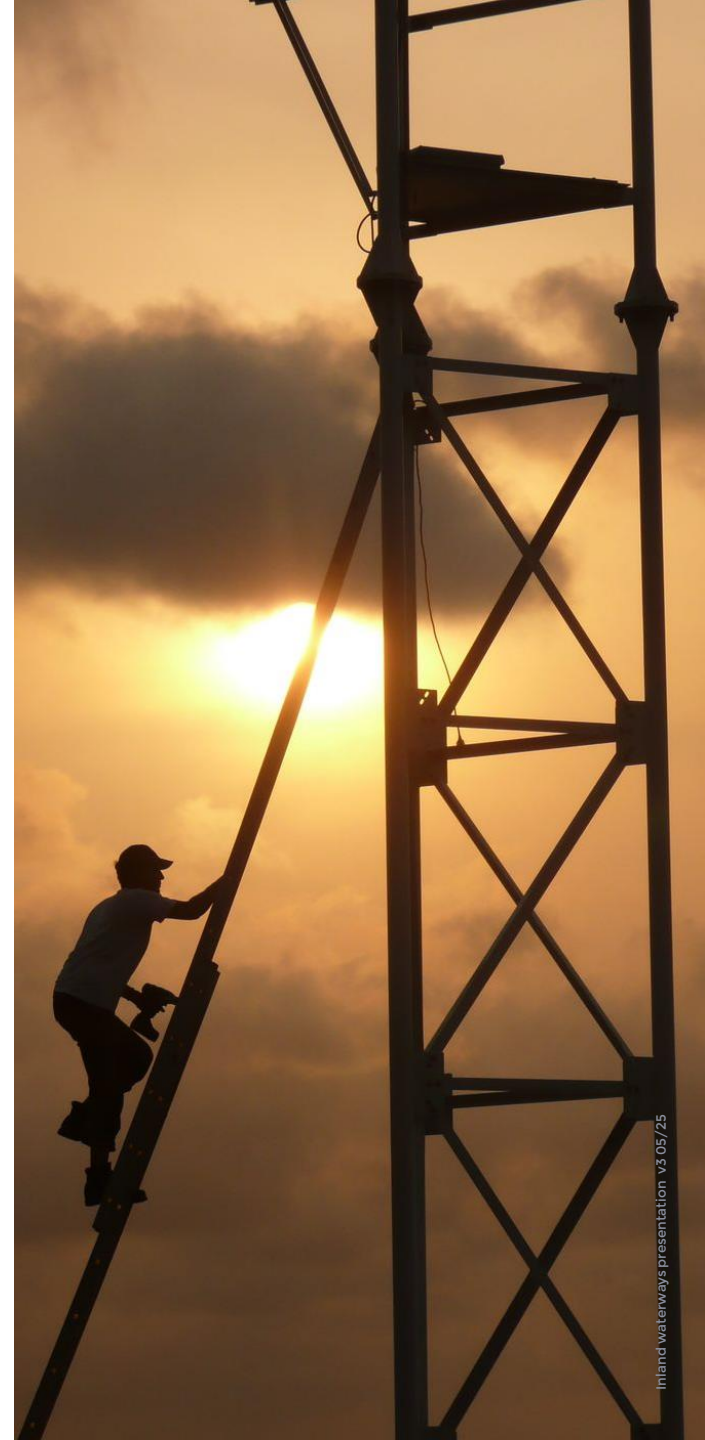
Retro-reflective films for night navigation

# FIXED MARKING



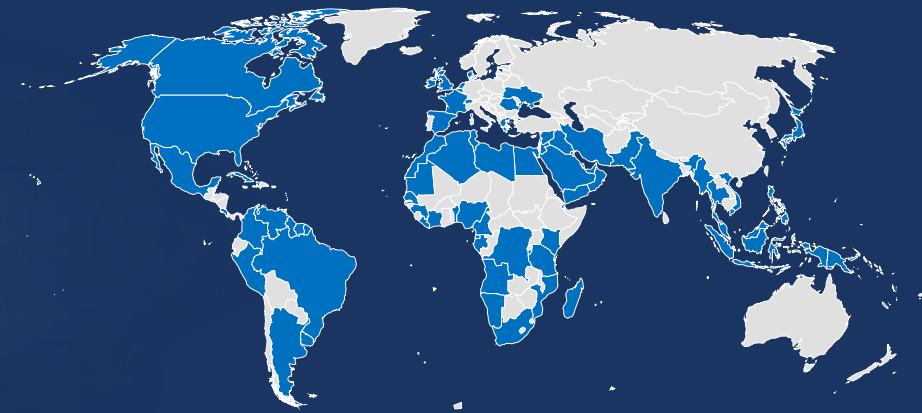
## Port entrance lights

- **Custom-made towers**  
Masts, tripods, barrels, ...  
Aluminum, steel, stainless steel,...
- **Weather-resistant**  
Anti-corrosion treatment  
Up to 200Km/h wind speed
- **Suitable for a full range of equipment**  
LED lanterns  
Remote monitoring system  
AIS transponder  
Radar reflector



# REFERENCES

On every continent



## AFRICA

### Republic of Congo

Beaconing the Congo and Kasai rivers  
Lake Tanganyika (Kalemie & Kalundu)

### Gabon

Beaconing the Ogooué river  
Beaconing the Gabon estuary at Libreville

### Senegal

Beaconing the Casamance river

### Morocco

Beaconing the Marchica lagoon

### Benin

Beaconing Lake Nokoué

### Ivory Coast

Beaconing Abidjan lagoon

## ASIA & SOUTH OF AMERICA

### Vietnam

Beaconing the South Can Giouc River in HCMC

### Brazil

Beaconing the Parana River

### Guyana and Suriname

Marking the Maroni and Essequibo rivers



## EUROPE

### Netherlands

Beaconing the Escaut

### France

Marking the Loire river  
Marking the Seine river  
Marking the Gironde river  
Marking the Aulne  
Marking the Dordogne



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