



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.

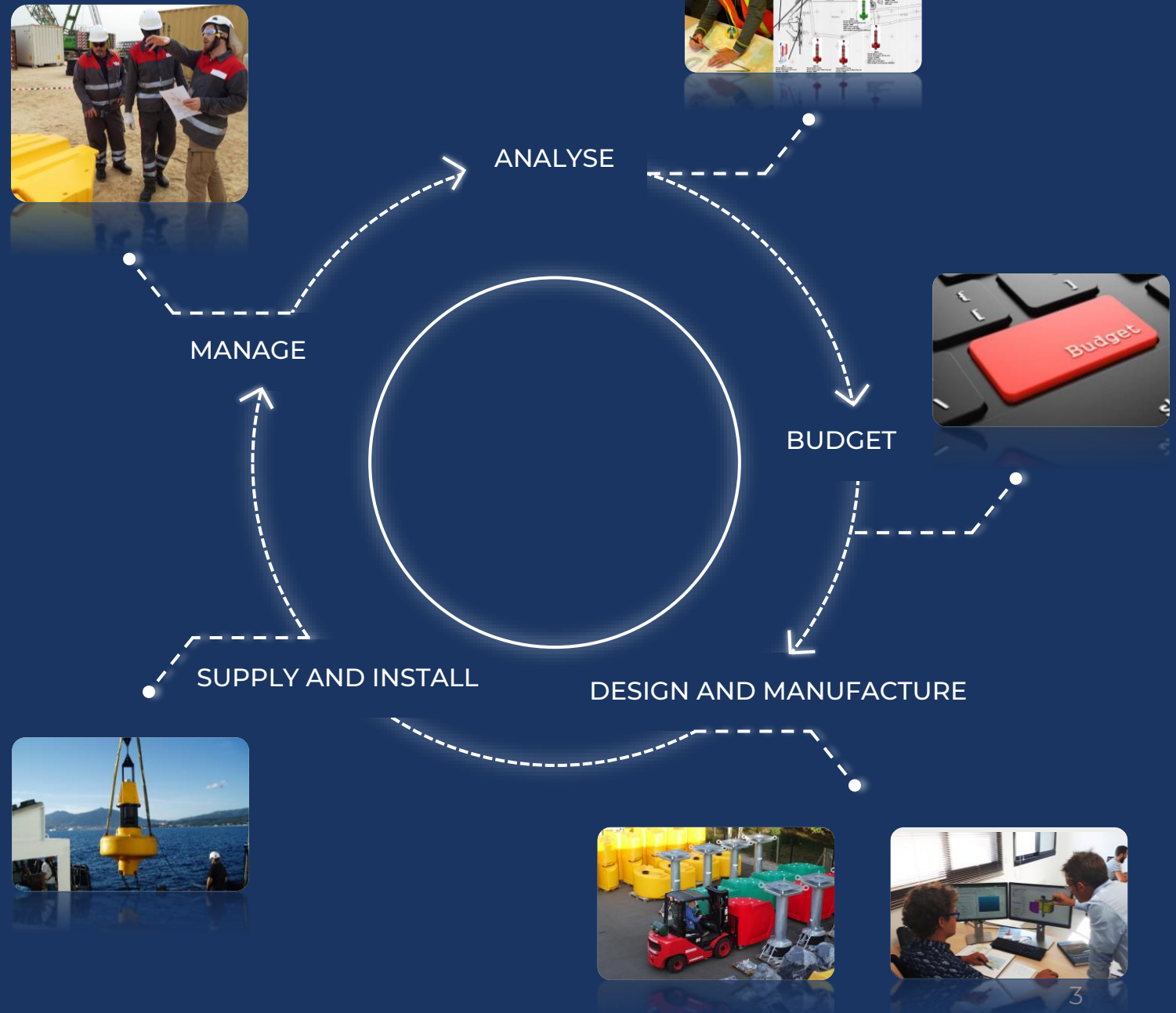


IALA created in 1957, of which
Gisman is member since 1966.

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

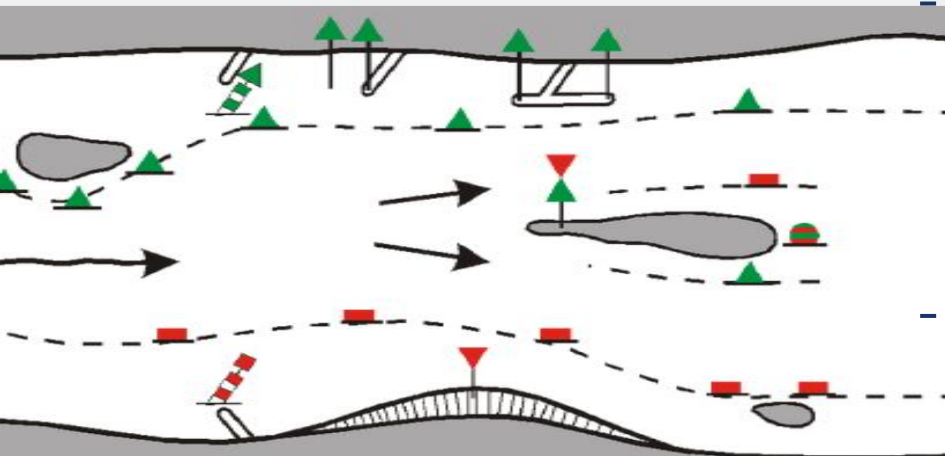
- Africa
- Asia & America
- Europe



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

Application	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
	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

POLYETHYLENE

Less maintenance

Lighter

Modular

Eco-friendly

FIXED MARKING



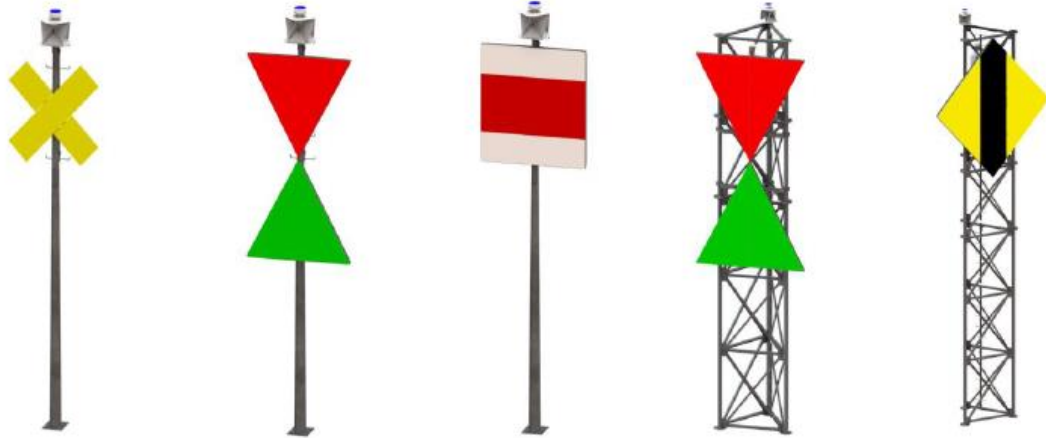
APPLICATIONS

- 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

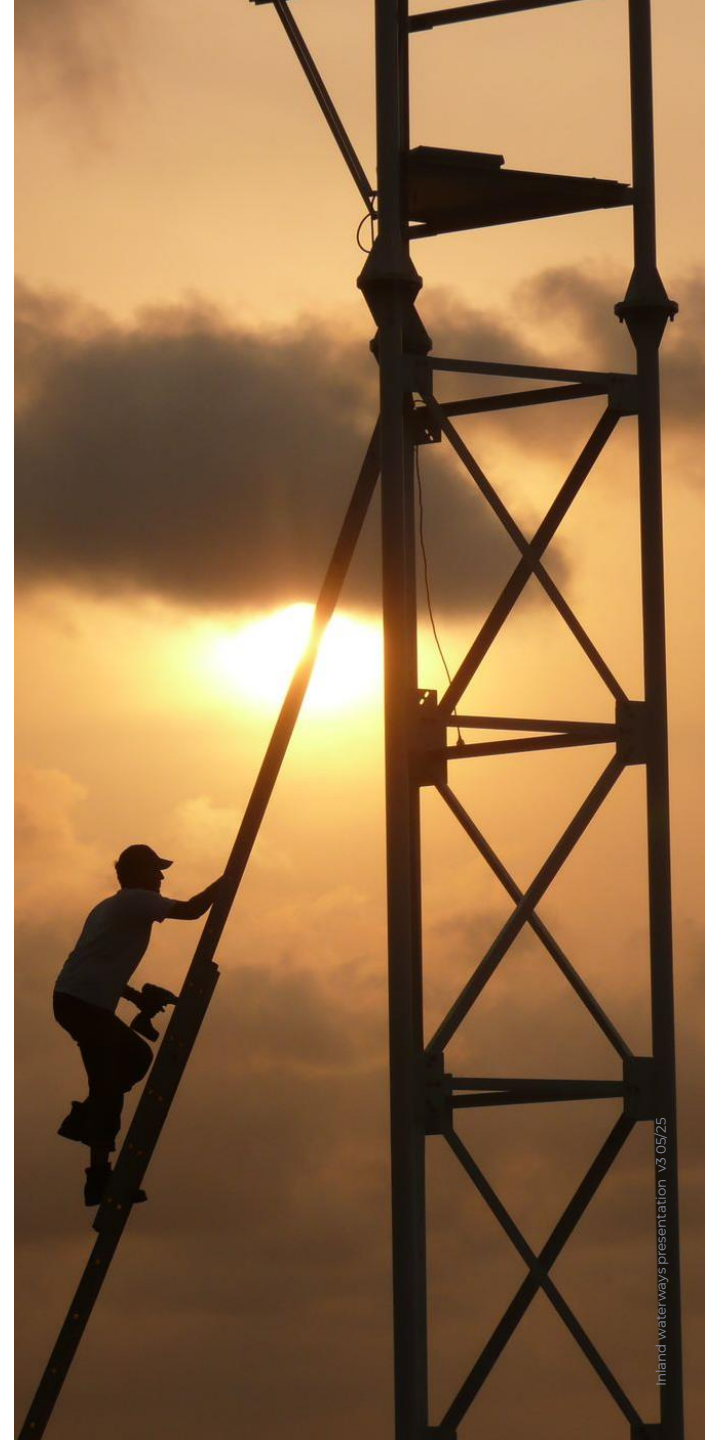
-----● Suitable for a full range of equipment

LED lanterns

Remote monitoring system

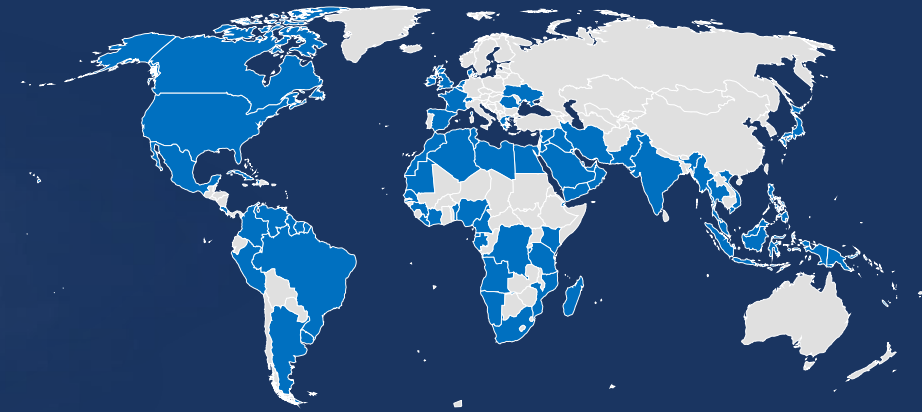
AIS transponder

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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