



THE RANGE OF LED LANTERNS



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DESIGN PRINCIPALS

Light characteristics

Functional features

Power Supply

Compliance (Tests And Certification)

– ● LIGHT CHARACTERISTICS

In-house characterization of electrical, thermal and optical performance

Compliant to IALA Recommendation E-200 on Marine Signal Light

High Power LED

Thermal LED management

– ● FUNCTIONAL FEATURES

Serial Bluetooth® connectivity (programming and control)

Infra Red Programmer

369 + 1 custom flash characters

Offset synchronisation

– ● POWER SUPPLY

High performance, premium grade monocrystalline solar panels

Active MPPT charging regulation

ON/OFF Autonomy management

– ● COMPLIANCE (TESTS AND CERTIFICATION)

Vibration and shock MIL STD 202G

Salt fog and thermal shock IEC 60945

Ingress Protection IP68-IEC 60529

CE Directive 2014/53/UE

Cybersecurity NIST 800



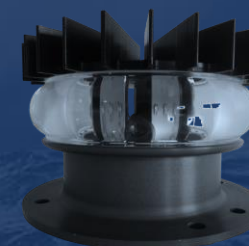
LANTERN RANGE

(Designed and made
by GISMAN in France)

• SELF-CONTAINED LANTERNS



• STAND ALONE LANTERNS



• APPLICATION SUITE



SELF-CONTAINED LANTERNS

Range from 1 to 10 NM



GSC-3

Up to 4 NM+

ECONOMICAL
AND
EFFICIENT

Range @T=0.74 in NM	1 to 4 NM+ depending on colors
Vertical divergence	> 7° @50% & 20° @10%
Solar Generator	5.6W & 4Ah (SS) / 8Ah (MS)
Weight	1.6kg (SS-4AH) / 2.3kg (MS-8AH)
Connectivity	GISMAN Bluetooth®
Charge Port	Integrated
Option	GPS, Switch





GISMAN
Bluetooth®

GSC-5-SS
Up to 6 NM

VERSATILE
AND
CONNECTED

Range @T=0.74 in NM	3 to 6 NM depending on colors
Vertical divergence	> 7° @50% & 20° @10%
Solar Generator	16W & 12Ah
Weight	6.7kg
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, Charge Port, Switch, AL/ ALAIS Output





GISMAN
Bluetooth®

GSC-5-MS

Up to 6 NM

ENHANCED CAPACITIES

Range @T=0.74 in NM	3 to 6 NM depending on colors
Vertical divergence	> 7° @50% & 20° @10%
Solar Generator	32W & 12Ah (MS-12AH) / 24Ah (MS-24AH)
Weight	8.9kg (MS-12AH) / 13kg (MS-24AH)
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, Charge Port, Switch, AL/ ALAIS Output





GISMAN
Bluetooth®

GSC-5-ES
Up to 6 NM

CONNECTED
WITH
INTEGRATED AIS

Range @T=0.74 in NM	3 to 6 NM depending on colors
Vertical divergence	> 7° @50% & 20° @10%
Solar Generator	40W & 28Ah (ES-28AH) / 40Ah (ES-40AH)
Weight	24kg (ES-28AH) / 28.2kg (ES-40AH)
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX) AIS Transponder Type 1 / Type 3
Option	GPS, Charge Port, AL/ ALAIS Output Integrated VHF (Antenna on the lantern) Deported VHF (Antenna on the top mark)



Satellite



GSM



SIGFOX



AIS Type 1



AIS Type 3

GSC-7-SS

Up to 8 NM+

COMPACT
AND
HIGH PERFORMANCE

Range @T=0.74 in NM	5 to 8 NM+ depending on colors
Vertical divergence	> 9° @50% & 14° @10%
Solar Generator	16W & 12Ah
Weight	7.3kg
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, Charge Port, Switch, AL/ ALAIS Output





GISMAN
Bluetooth®

GSC-7-MS

Up to 8 NM+

ENHANCED CAPACITIES

Range @T=0.74 in NM	5 to 8 NM+ depending on colors
Vertical divergence	> 9° @50% & 14° @10%
Solar Generator	32W & 12Ah (MS-12AH) / 24Ah (MS-24AH)
Weight	9.5kg (MS-12AH) / 13.6kg (MS-24AH)
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, Charge Port, Switch, AL/ ALAIS Output





GISMAN
Bluetooth®

GSC-8

Up to 10 NM

PERFORMING
AND
CONNECTED

Range @T=0.74 in NM	5 to 10 NM depending on colors
Vertical divergence	> 9° @50% & 14° @10%
Solar Generator	40W & 28Ah / 40Ah
Weight	24kg (28AH) / 28.3kg (40AH)
Connectivity	<i>GISMAN Bluetooth®</i> Module A2NGO (SAT/GSM/SIGFOX) AIS Transponder Type 1 / Type 3
Option	GPS, Charge Port, AL/ ALAIS Output Integrated VHF (Antenna on the lantern) Deported VHF (Antenna on the top mark)





GISMAN
Bluetooth®

GSC-12

Up to 12 NM

PERFORMING
AND
CONNECTED

Range @T=0.74 in NM	5 to 12 NM depending on colors
Vertical divergence	> 3.5° @50%
Solar Generator	40W & 28Ah / 40Ah
Weight	24kg (28AH) / 28.3kg (40AH)
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX) AIS Transponder Type 1 / Type 3
Option	GPS, Charge Port, AL/ ALAIS Output Integrated VHF (Antenna on the lantern) Deported VHF (Antenna on the top mark)



STAND ALONE LANTERNS

External Power Supply
Range up to 17 NM+

-----• GSA-5



-----• GSA-8
& GSA-12



-----• GML





GISMAN
Bluetooth®

GSA-5
Up to 6 NM

ECONOMICAL
AND
LOW POWER CONSUMPTION

Range @T=0.74 in NM	3 to 6 NM depending on colors
Weight	0.6kg
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, AL/ ALAIS Output





GISMAN
Bluetooth®

GSA-8
Up to 10 NM

PERFORMING
AND
CONNECTED

Range @T=0.74 in NM	5 to 10 NM depending on colors
Weight	0.7kg
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, AL/ ALAIS Output





GISMAN
Bluetooth®

GSA-12
Up to 12 NM

PERFORMING
AND
CONNECTED

Range @T=0.74 in NM	5 to 12 NM depending on colors
Weight	0.7kg
Connectivity	GISMAN Bluetooth® Module A2NGO (SAT/GSM/SIGFOX)
Option	GPS, AL/ ALAIS Output





GISMAN
Bluetooth®

GML

Up to 17 NM+

HIGH PERFORMANCE

AND

LOW POWER CONSUMPTION

Range @T=0.74 in NM	From 14.6NM (1 Tier) up to 17.2NM (3 Tiers) in White
Colors	Red, Green, Yellow (1 Tier) White (1 Tier, 2 Tiers & 3 Tiers)
Vertical divergence	2.5° @ 50%
Weight	From 3.3kg (1 Tier) to 6.2kg (3 Tiers)
Connectivity	<i>GISMAN Bluetooth®</i> <i>Module A2NGO (SAT/GSM/SIGFOX)</i> <i>AIS Transponder Type 1 / Type 3</i>
Option	GPS, AL/ ALAIS Output



Satellite



GSM



SIGFOX



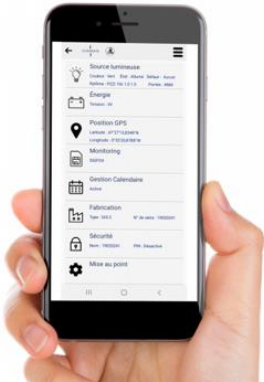
AIS Type 1



AIS Type 3

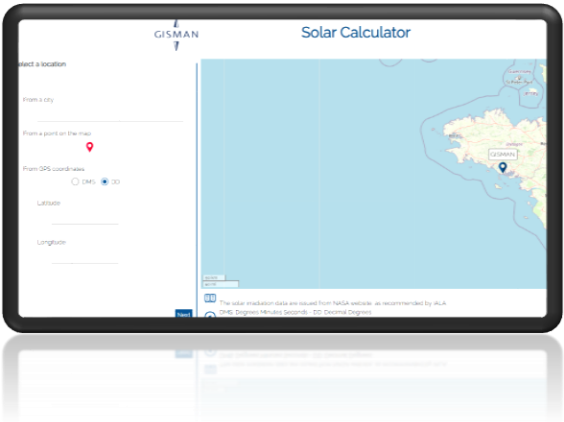
APPLICATION SUITE

GISMAN BLUETOOTH®



GISMAN's Know-How for your peace of mind

SOLAR
CALCULATOR



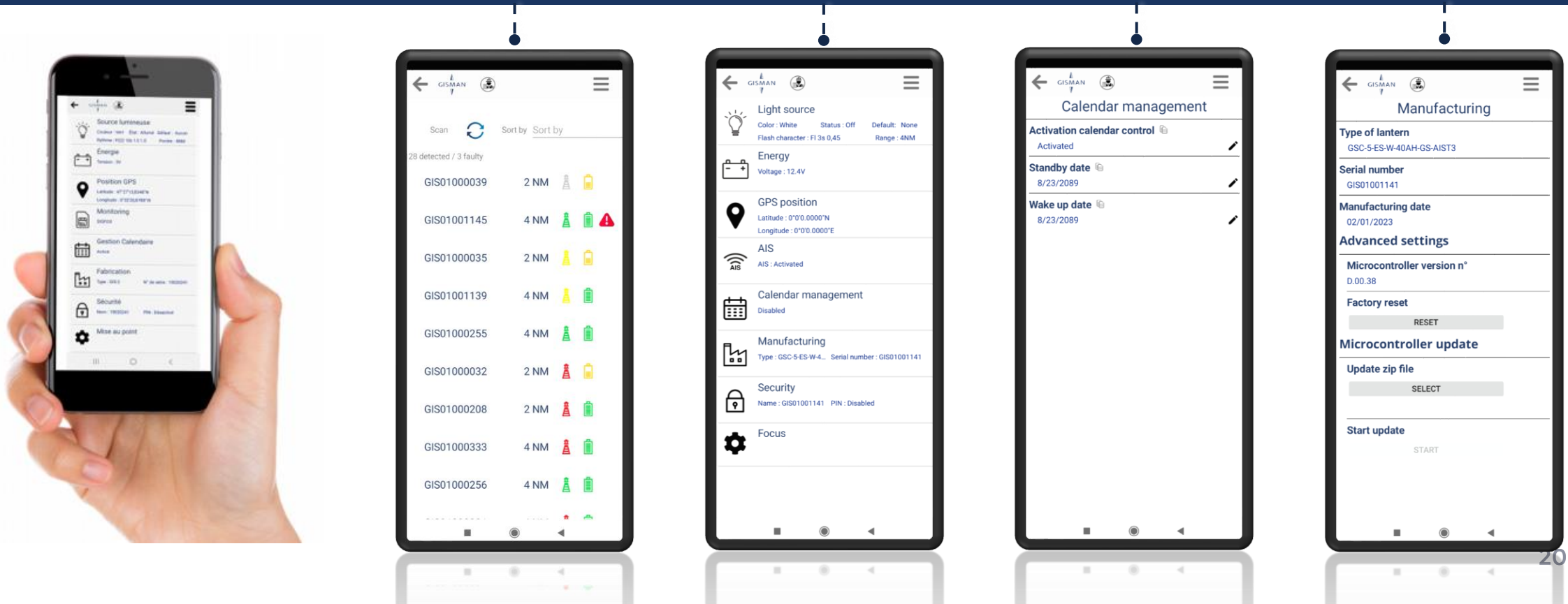
MONITORING &
MAINTENANCE



APPLICATION GISMAN BLUETOOTH®

EASY AND FAST PROGRAMMING
REAL-TIME PARAMETER FEEDBACK

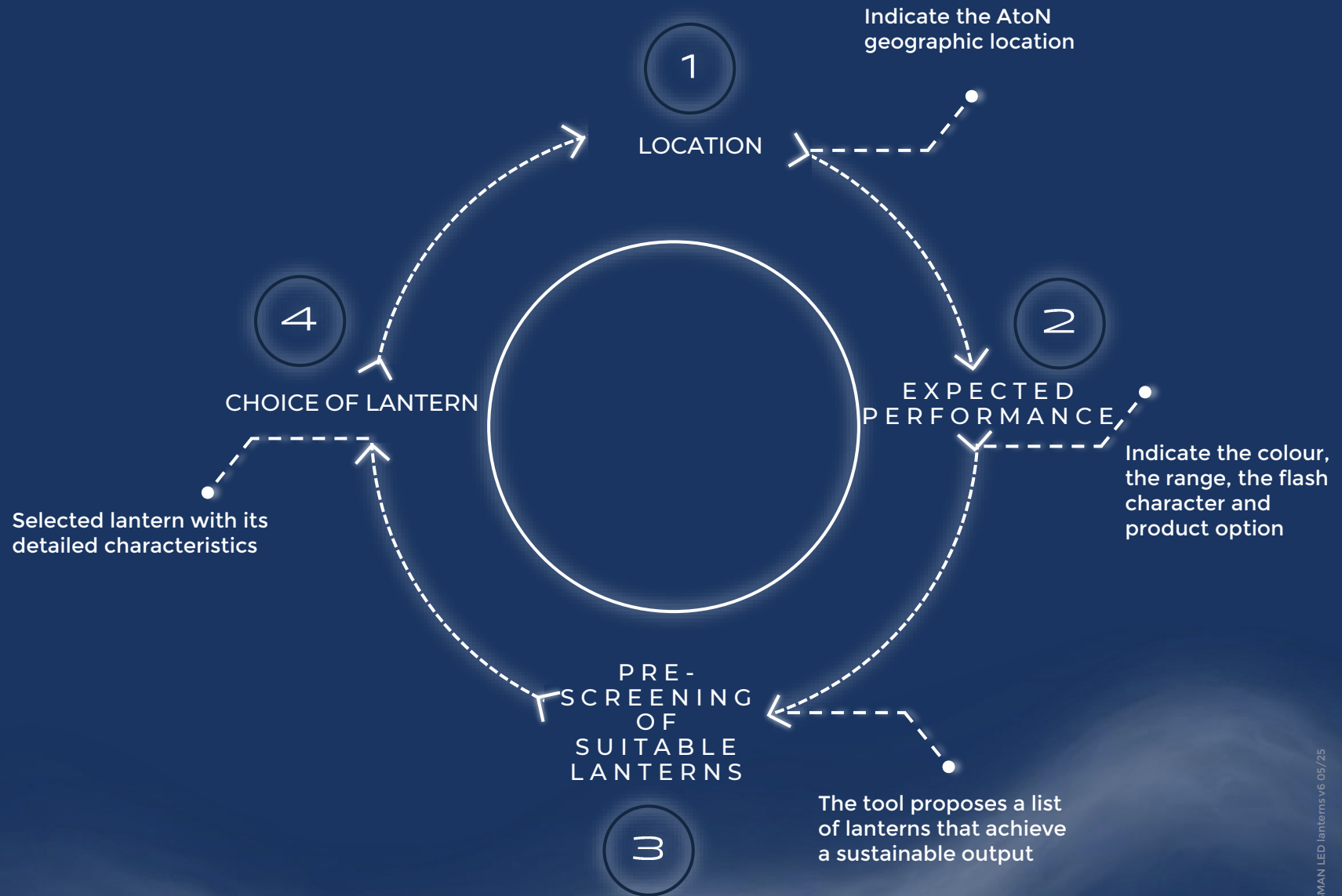
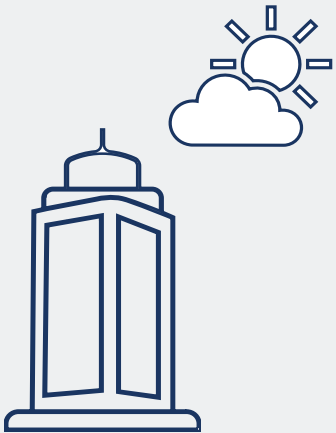
Available in French, English, Spanish and Portuguese



SOLAR CALCULATOR

<https://calculator.gisman-web.com>

On-line simulation tool to compare
then select your GISMAN's marine
lantern





A2NGO

KEEP IN CONTROL !

A2NGO

CYBER-SECURE WEB PORTAL

- Monitoring Application
- Maintenance Application

-----● MONITORING APPLICATION

**Control your AtoN assets remotely, in real time
and at low cost**

-----● MAINTENANCE APPLICATION

**Centralise the management of your AtoN assets to
optimise their serviceability**



GISMAN, SINCE 1862.

close to 500 customers in 80 countries

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 to standards ISO 9001:2015.



IALA was established in 1957.
GISMAN is member since 1966.



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