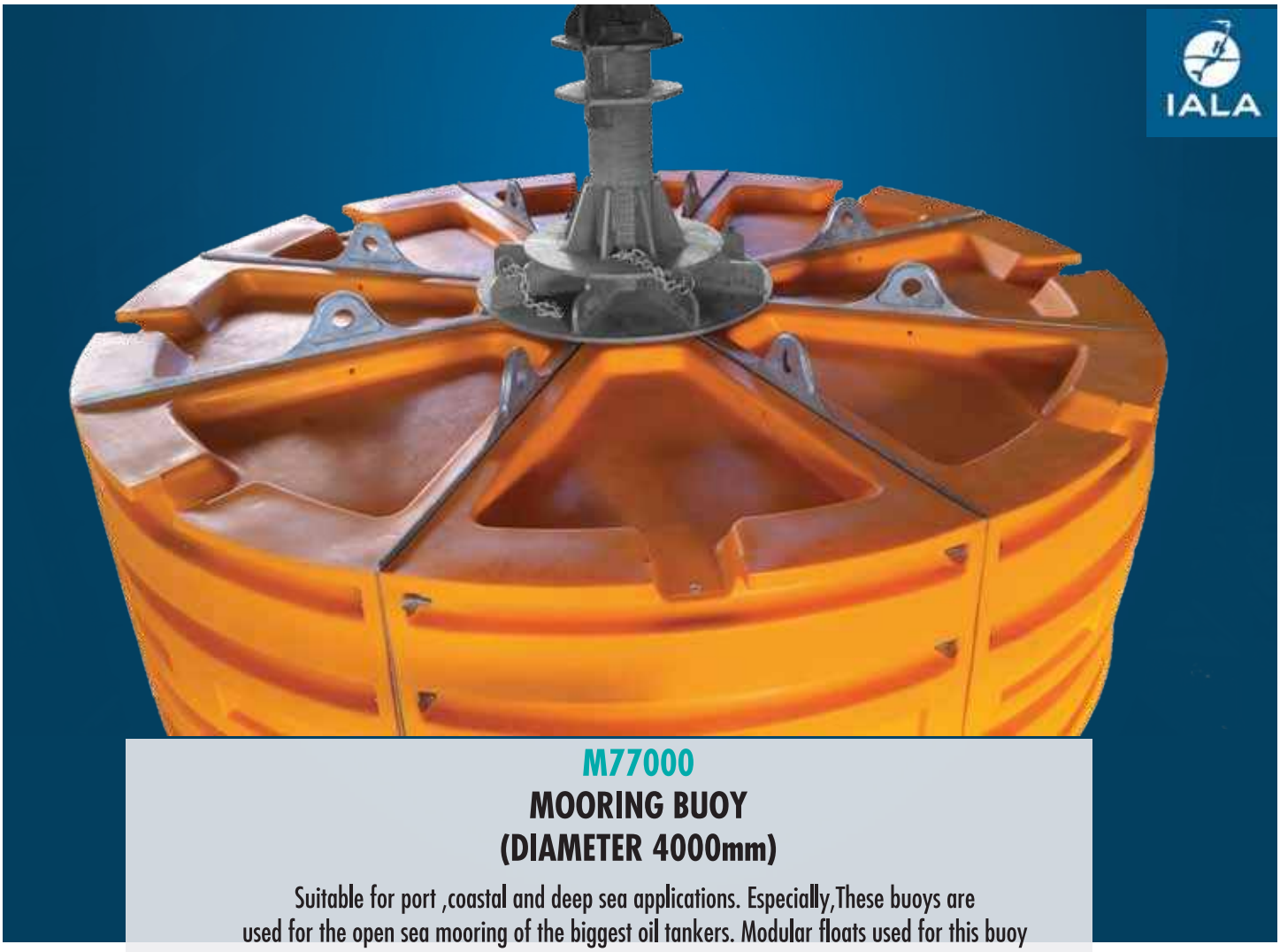
AKUAKARE AQUACULTURE EQUIPMENT LTD.

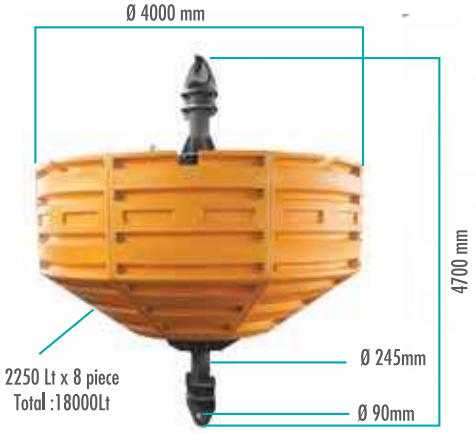
Milas · MUGLA · TURKEY

www.akuakare.com



M77000
MOORING BUOY
(DIAMETER 4000mm)

Suitable for port ,coastal and deep sea applications. Especially,These buoys are used for the open sea mooring of the biggest oil tankers. Modular floats used for this buoy are made from rotomolded polyethylene shells filled with polyurethane foam or EPS. The metallic structure is made in hot dip galvanized steel, and has the important duty to support the modular floats.



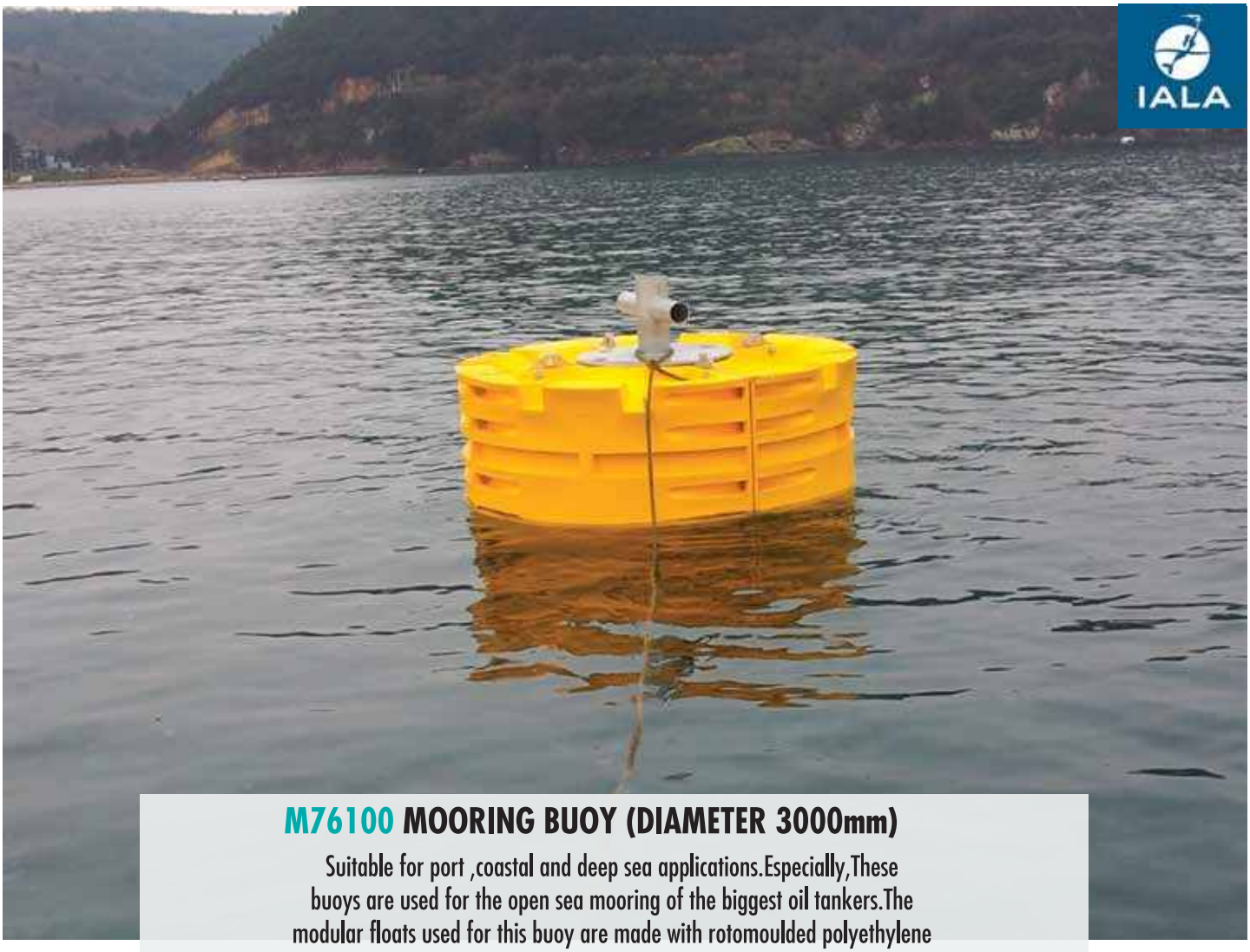
M77000
TECHNICAL DATA

Diameter: 4000 mm
Overall Lenght: 4700 mm
Foam Filling: EPS or PU 2130 mm
Floatation per centimeter:120 kg
Overall weight of buoy
with shackle: 3800kg
Inner Structure:Hot Dip Galvanized
Float Material:UV-stabilized Virgin Polyethylene
Foam Filling:EPS

MODULAR SYSTEM

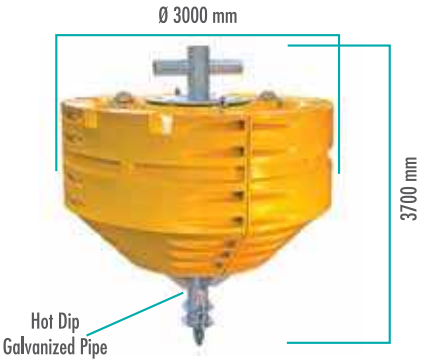
There are eight modular floating parts.Each part is connected to the other with bolt and nut

ONE OF THE BIGGEST BUOY IN THE WORLD



M76100 MOORING BUOY (DIAMETER 3000mm)

Suitable for port ,coastal and deep sea applications.Especially,These buoys are used for the open sea mooring of the biggest oil tankers.The modular floats used for this buoy are made with rotomoulded polyethylene shells filled with polyurethane foam or EPS.The metallic structure is made in hot dip galvanized steel, and has the important duty to support the modular floats.



M76100
TECHNICAL DATA

Diameter: 3000 mm
Overall Lenght: 3700 mm
Buoyancy: 10000 kg
Average Weight: 2100 kg
Inner Structure: Hot Dip Galvanized
Float Material: UV-stabilized Virgin Polyethylene
Foam Filling: EPS or PU

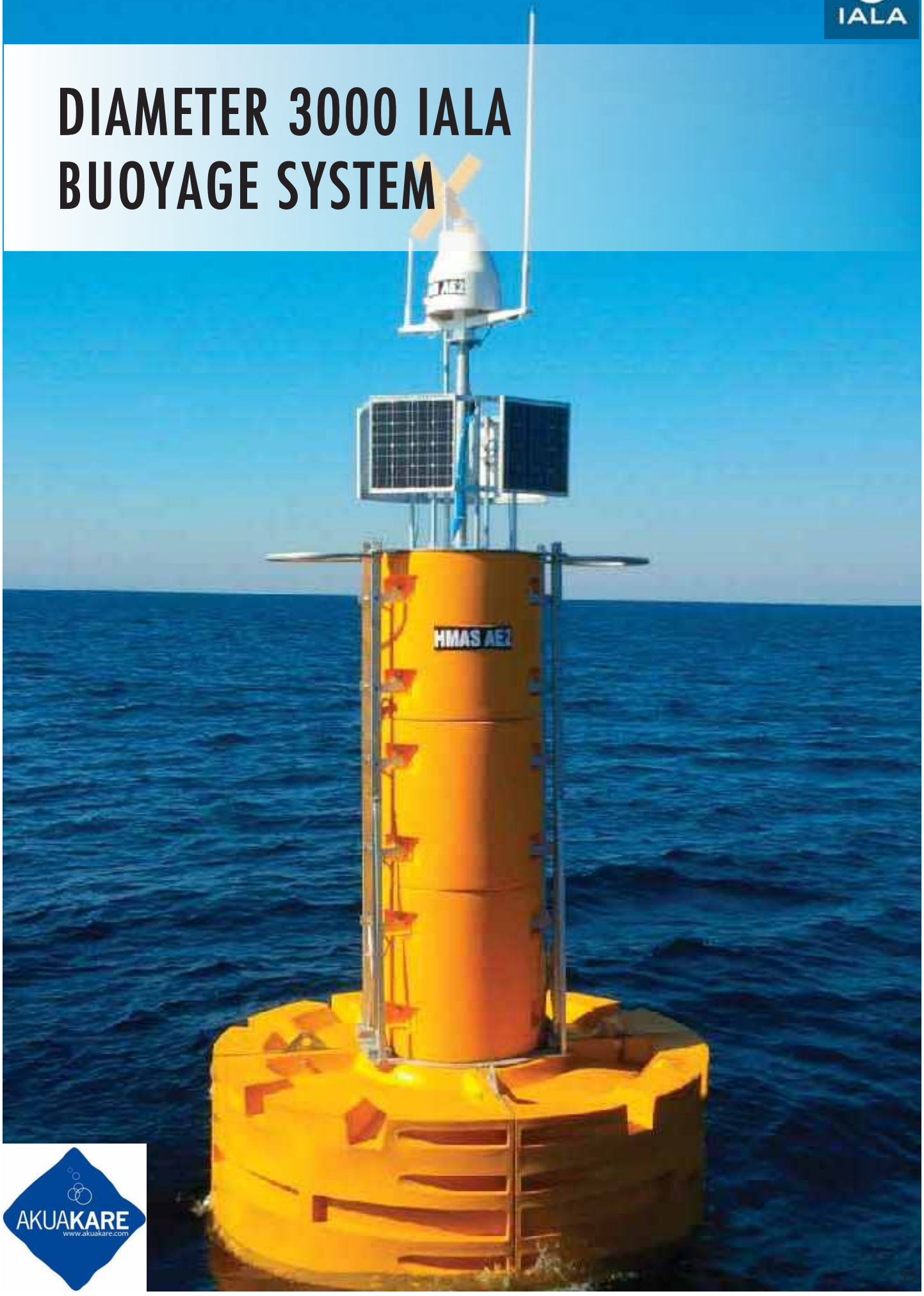
MODULAR SYSTEM

There are four modular floating parts.Every parts connected the other modular parts with bolt and nut

MOORING EQUIPMENTS

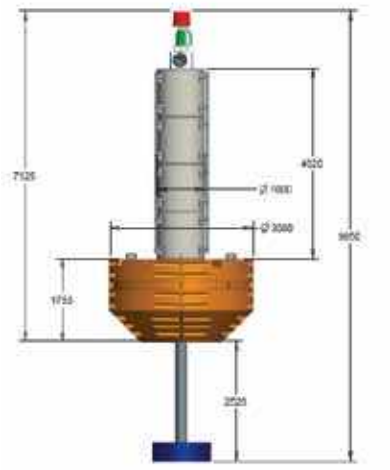

SAFETY
FIRST

DIAMETER 3000 IALA BUOYAGE SYSTEM



M76000 (DIAMETER 3000mm) IALA BUOYAGE SYSTEM

High visibility red, green, white, yellow or blue as per IALA recommendations .Designed for harsh sea conditions.Four quarters made in polyethylene filled with EPS or PU



TECHNICAL DATA

Diameter: 3000 mm
Height :9650mm
Note: The Lantern focal height is adjustable with modular parts.
Raw material: UV-stabilised virgin polyethylene
Filling: EPS or PU
Metal structure: Hot Dip Galvanized or Stainless Steel

M03451
RADAR REFLECTOR

Radar reflector is a device which is attached to a buoy to make it more visible on radar.

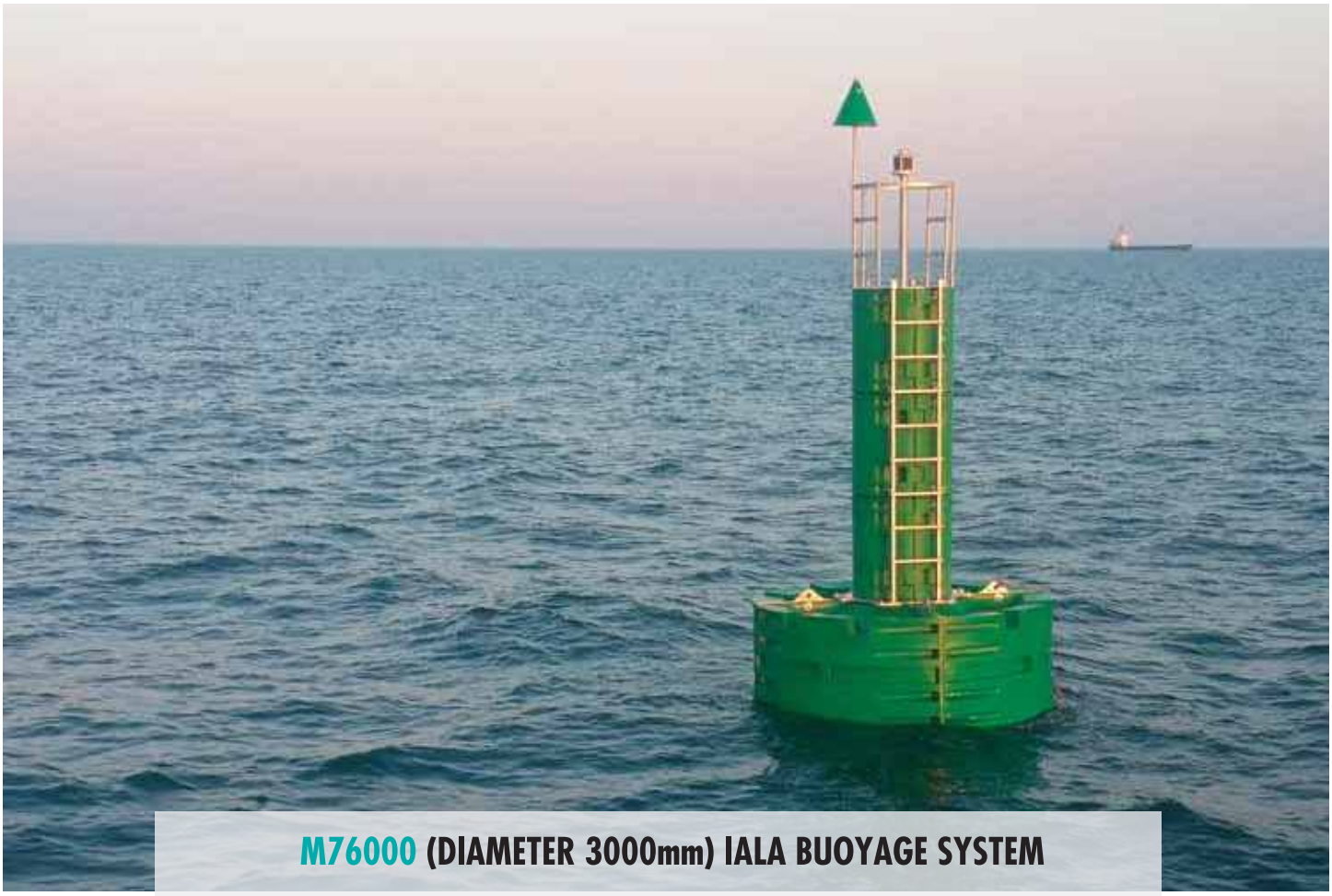
M850
3 to 6NM
Range
GPS

M650H
3 to 4+NM
Range
GPS

M550
1 to 3 NM
Range

SELF-CONTAINED LANTERNS

The Self-contained Lanterns combine a compact, high-efficiency solar engine with premium components and a rugged design for best-in-class performance.Built-in calendar function for automatic de-activation during offseason months.Adjustable intensity and range.GPS synchronized flash option.



M76000 (DIAMETER 3000mm) IALA BUOYAGE SYSTEM

Additional Equipments :Solar panel,racon,ais,meteorology/hydrology sensor,battery,charging unit etc.

SOLAR PV SYSTEM

If the Navaid system required for offshore application is solar powered it also requires a solar panel together with a battery and a battery box. Martek offers also different solar powered solutions to keep your lantern working.

RACON

Racon devices are used at sea to mark navigational hazards as RADAR targets for presentation on a ship navigational radar display
Latest technologies
Fully IALA compliant
Easy installation and programming
Maintenance free
Very low power consumption

AIS for AtoN

Housed in a rugged triple protected housing suitable for the harsh marine environment, it can be deployed on exposed location on buoys and fixed structures. The unit comes with GPS antenna integrated in the housing but an external GPS antenna can be connected if required.

M76000 (DIAMETER 3000mm)
IALA BUOYAGE SYSTEM COLOR AND TOP MARKS

International Association of Lighthouse Authorities (IALA) was formed to unify the World's buoayage system. The system consists of 2 regions: A and B. Turkey is placed in region A. The IALA system is made up from 6 types buoys (Lateral ,Cardinal,Isolated Danger,Safe Water,Special Warnings,Emergency Wreck)

LATERAL MARKS

System	Code	Color	Mark
A	76001		
A	76002		
A	76003		
A	76004		
B	76005		
B	76006		
B	76007		
B	76008		

ISOLATED DANGER MARK

Code	Color	Mark
76013		

SAFE WATER MARK

Code	Color	Mark
76014		

SPECIAL MARK

Code	Color	Mark
76015		

CARDINAL MARKS

Code	Color	Mark
76009		
76010		
76011		
76012		

EMERGENCY WRECK MARK

Code	Color	Mark
76016		





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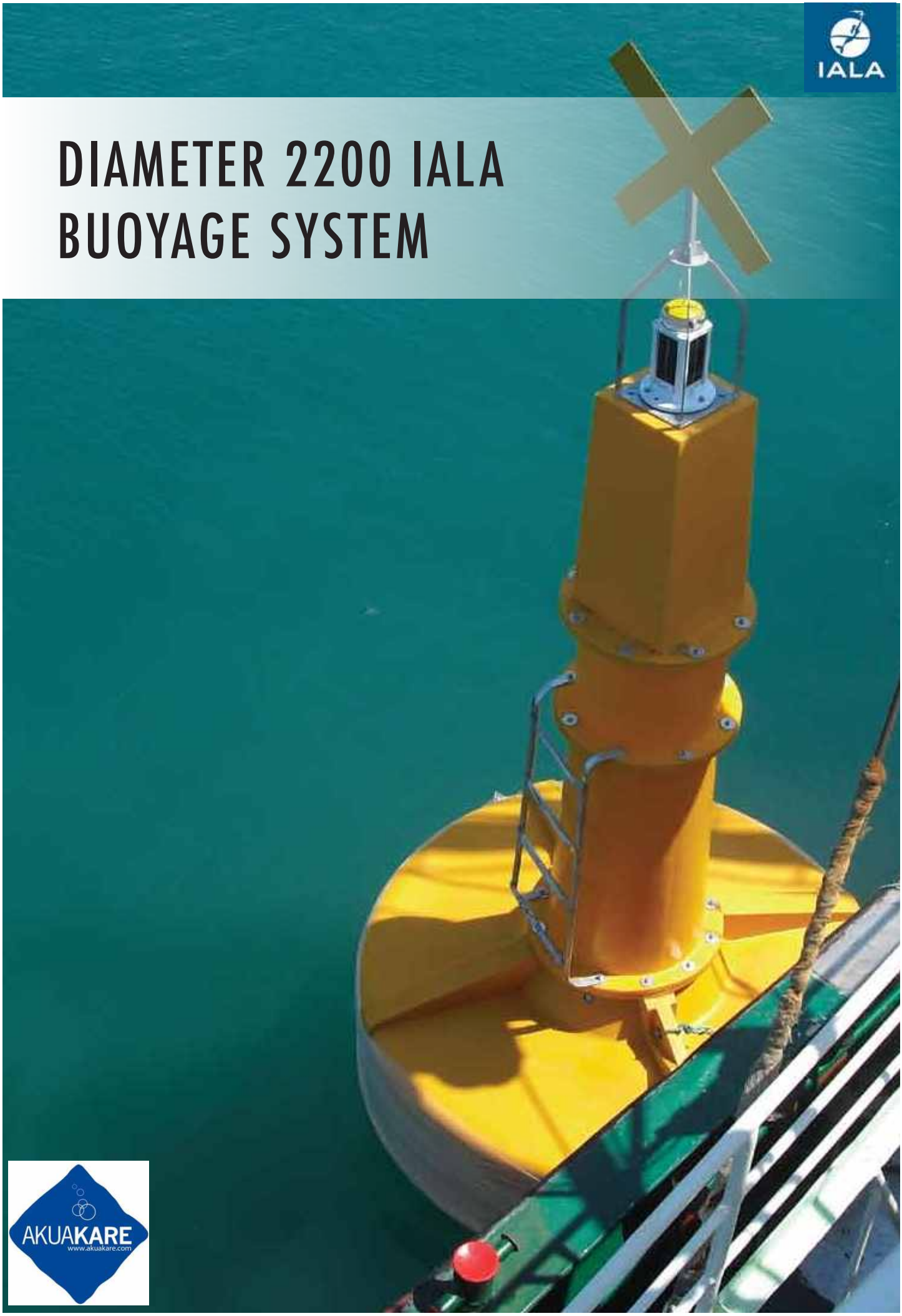
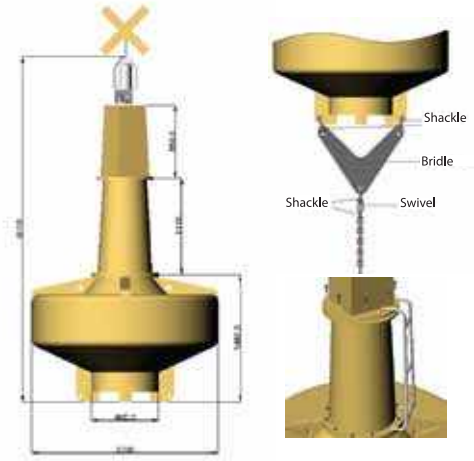
DIAMETER 2200 IALA BUOYAGE SYSTEM



M75000 (DIAMETER 2200mm)
IALA BUOYAGE SYSTEM MARKS AND COLOR

High visibility red, green, white, yellow or blue as per IALA recommendations .Designed for harsh sea conditions.Modular parts with individual colors .Supported connection holes for mooring .The Top fits to every marine lantern or day signal.



TECHNICAL DATA

Diameter: 2200mm
Height without top mark: 4010mm
Note: The lantern focal height can be adjusted with modular parts parts.
Total weight:650 kg
Raw material: UV-stabilised virgin polyethylene
Filling: EPS or PU
Metal structure: Hot Dip Galvanized or Stainless Steel

M03451
RADAR REFLECTOR

Radar reflector is a device which is attached to a buoy to make it more visible on radar.

M850
3 to 6NM
Range
GPS

M650H
3 to 4+NM
Range
GPS

M550
1 to 3 NM
Range

SELF-CONTAINED LANTERNS

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M75000 (DIAMETER 2200mm)
IALA BUOYAGE SYSTEM COLOR AND TOP MARKS

International Association of Lighthouse Authorities (IALA) was formed to unify the World's buoayage system. The system consists of 2 regions: A and B. Turkey is placed in region A. The IALA system is made up from 6 types. buoys (Lateral ,Cardinal,Isolated Danger,Safe Water,Special Warnings,Emergency Wreck)

LATERAL MARKS

System	Code	Color	Mark
A	75001		
A	75002		
A	75003		
A	75004		
B	75005		
B	75006		
B	75007		
B	75008		

CARDINAL MARKS

Code	Color	Mark
75009		
75010		
75011		
75012		

ISOLATED DANGER MARK

Code	Color	Mark
75013		

SAFE WATER MARK

Code	Color	Mark
75014		

SPECIAL MARK

Code	Color	Mark
75015		

EMERGENCY WRECK MARK

Code	Color	Mark
75016		

M75000 (DIAMETER 2200mm)
IALA BUOYAGE SYSTEM

Additional Equipments :Solar panel,racon,ais,meteorology/hydrology sensor,battery,charging unit etc.

SOLAR PV SYSTEM

If the Navaid system required for offshore application is solar powered it also requires a solar panel together with a battery and a battery box. Martek offers also different solar powered solutions to keep your lantern working.

RACON

Racon devices are used at sea to mark navigational hazards as RADAR targets for presentation on a ship navigational radar display
Latest technologies
Fully IALA compliant
Easy installation and programming
Maintenance free
Very low power consumption

AIS for AtoN

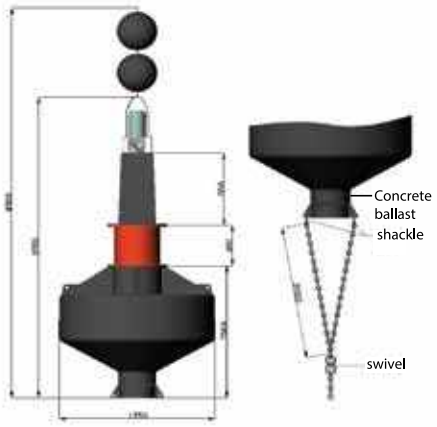
for AtoN Housed in a rugged triple protected housing suitable for the harsh marine environment, it can be deployed on exposed location on buoys and fixed structures. The unit comes with GPS antenna integrated in the housing but an external GPS antenna can

Useful forklift access points for easy maneuver

DIAMETER 1750 IALA BUOYAGE SYSTEM

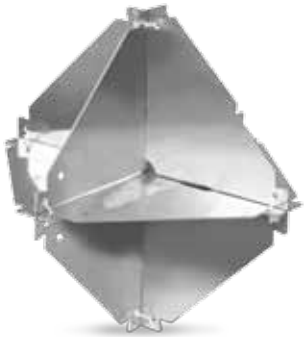
M74000 (DIAMETER 1750mm)
IALA BUOYAGE SYSTEM

High visibility red, green, white,black, yellow or blue as per IALA recommendations .Designed for harsh sea conditions.Modular parts with individual colors .Supported connection holes for mooring .Top end fits to every marine lantern or day signal.



TECHNICAL DATA

Diameter: 1750 mm
Height without top mark: 3550mm
Note:The lantern focal height can be adjusted
Raw material:UV-stabilised virgin polyethylene
Filling: EPS or PU
Metal structure: Hot Dip Galvanized or Stainless Steel



M03451
RADAR REFLECTOR

Radar reflector is a device which is attached to a buoy to make it more visible on radar.

M850
3 to 6NM
Range
GPS

M650H
3 to 4+NM
Range
GPS

M550
1 to 3 NM
Range

SELF-CONTAINED LANTERNS

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M74000 (DIAMETER 1750mm)
IALA BUOYAGE SYSTEM

Additional Equipments :Solar panel,racon,ais,meteorology/hydrology sensor,battery,charging unit etc.

SOLAR PV SYSTEM

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M74000 (DIAMETER 1750mm)
IALA BUOYAGE SYSTEM COLOR AND TOP MARKS

International Association of Lighthouse Authorities (IALA) was formed to unify the World's buoayage system. The system consists of 2 region ; A and B. Turkey is placed in Region A. The IALA system is made up from 6 types buoys (Lateral ,Cardinal,Isolated Danger,Safe Water,Special Warnings,Emergency Wreck)

LATERAL MARKS

System	Code	Color	Mark
A	74001		
A	74002		
A	74003		
A	74004		
B	74005		
B	74006		
B	74007		
B	74008		

ISOLATED DANGER MARK

Code	Color	Mark
74013		

SAFE WATER MARK

Code	Color	Mark
74014		

SPECIAL MARK

Code	Color	Mark
74015		

CARDINAL MARKS

Code	Color	Mark
74009		
74010		
74011		
74012		

EMERGENCY WRECK MARK

Code	Color	Mark
74016		







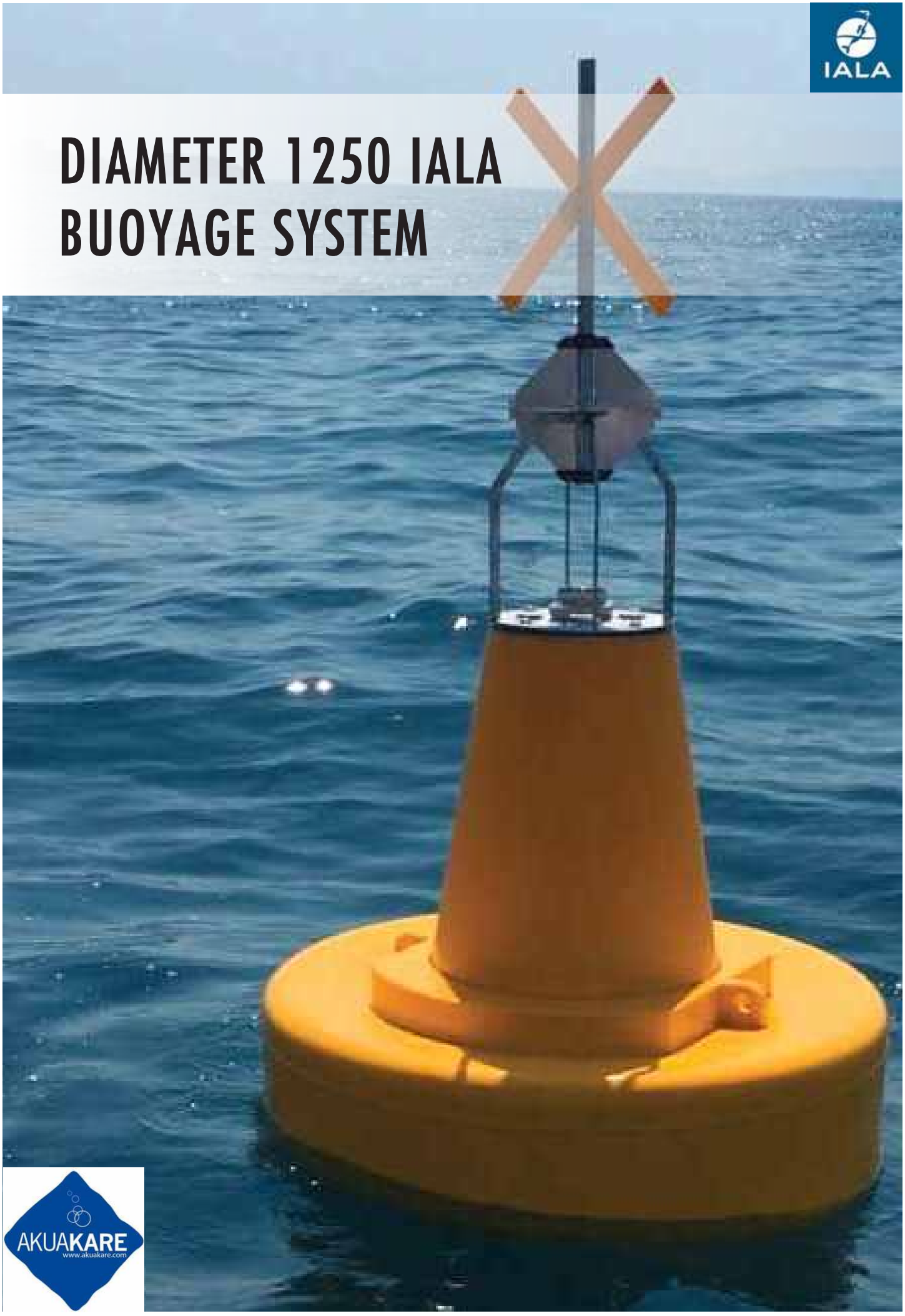






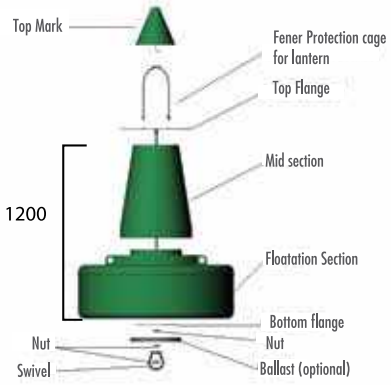
EVERGREEN

DIAMETER 1250 IALA BUOYAGE SYSTEM



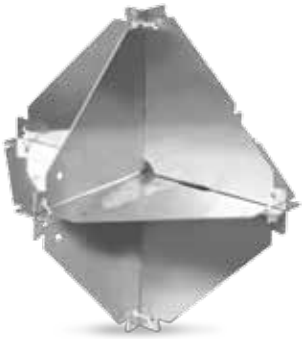
M73000 (DIAMETER 1250mm)
IALA BUOYAGE SYSTEM

Red, green, yellow, white,blue or black as per IALA Recommendations.Designed for harsh sea conditions. Modular parts with individual colors.Hot dipped galvanized or stainless steel shaft through the body.Flange for top mark and light at upper end, swivel for mooring at bottom end.



TECHNICAL DATA

Diameter: 1250mm
Height without top mark: 1200mm
Note:The lantern focal height can be adjusted with modular parts
Raw material: UV-stabilised virgin polyethylene
Filling: EPS or PU
Metal structure: Hot Dip Galvanized or Stainless Steel



M03451
RADAR REFLECTOR

Radar reflector is a device which is attached to a buoy to make it more visible on radar.

M850
3 to 6NM
Range
GPS

M650H
3 to 4+NM
Range
GPS

M550
1 to 3 NM
Range

SELF-CONTAINED LANTERNS

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M73000 (DIAMETER 1250mm)
IALA BUOYAGE SYSTEM COLOR AND TOP MARKS

International Association of Lighthouse Authorities (IALA) was formed to unify the World's buoyage system. The system consists of 2 regions ; A and B. Turkey is placed in Region A.The IALA System are made up 6 types of buoys (Lateral ,Cardinal,Isolated Danger,Safe Water,Special Warnings,Emergency Wreck)

LATERAL MARKS

System	Code	Color	Mark
A	73001		
A	73002		
A	73003		
A	73004		
B	73005		
B	73006		
B	73007		
B	73008		

ISOLATED DANGER MARK

Code	Color	Mark
73013		

SAFE WATER MARK

Code	Renk	Mark
73014		

SPECIAL MARK

Code	Color	Mark
73015		

CARDINAL MARK

Code	Color	Mark
73009		
73010		
73011		
73012		

EMERGENCY WRECK MARK

Code	Color	Mark
73016		

M73000 (DIAMETER 1250mm)
IALA BUOYAGE SYSTEM OPTIONS

Additional Equipments :Solar panel,racon,ais,meteorology/hydrology sensor,battery,charging unit etc.

SOLAR PV SYSTEM

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RACON

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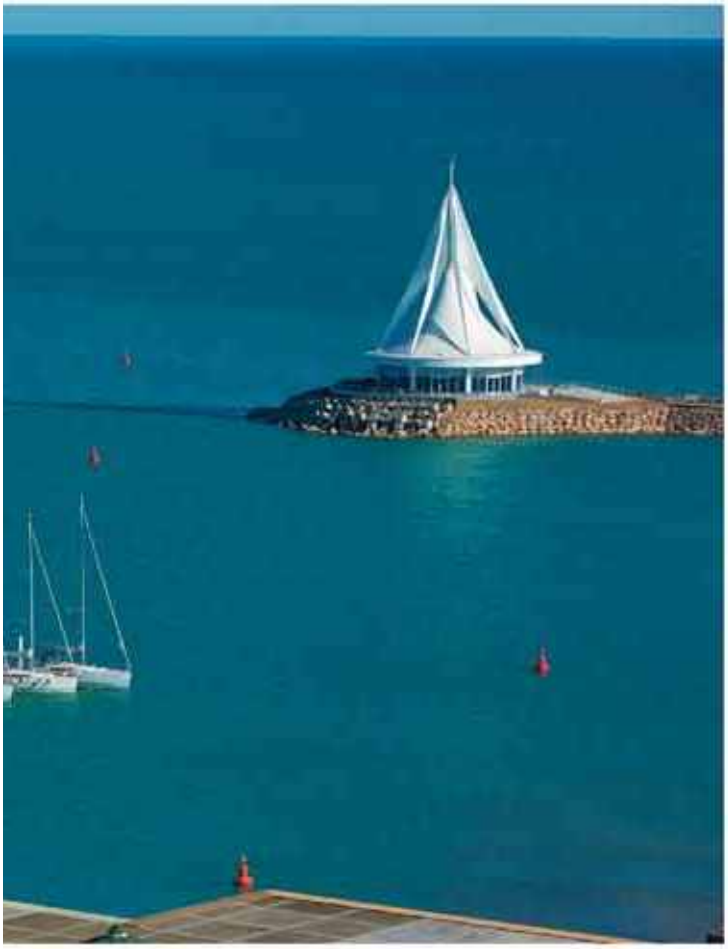
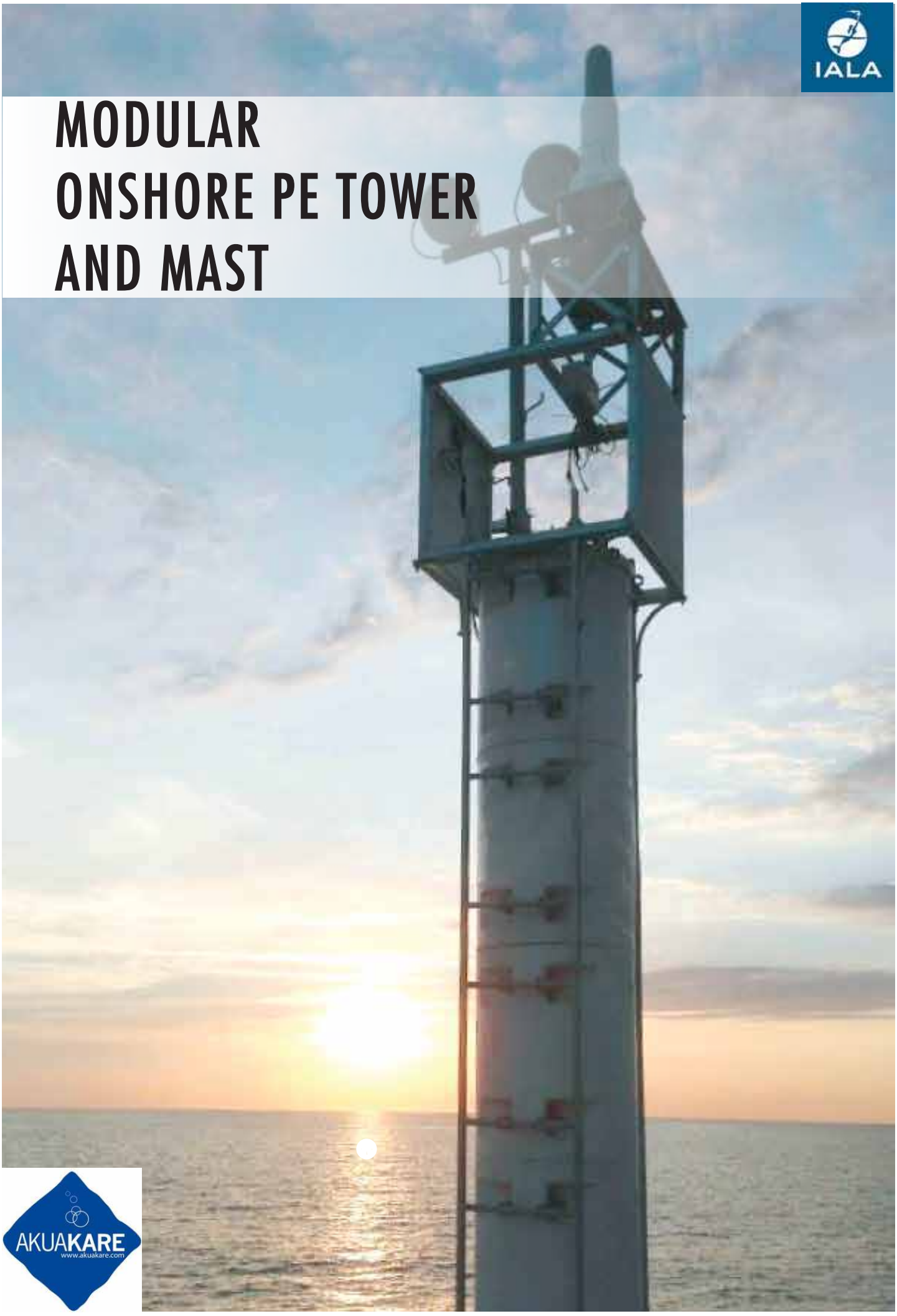
Latest technologies
Fully IALA compliant
Easy installation and programming
Maintenance free
Very low power consumption

AIS
for AtoN

Housed in a rugged triple protected housing suitable for the harsh marine environment, it can be deployed on exposed location on buoys and fixed structures. The unit comes with GPS antenna integrated in the housing but an external GPS antenna can be connected if required.



MODULAR ONSHORE PE TOWER AND MAST



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MODULAR ONSHORE PE TOWER AND MAST

The tower is made from modular polyethylene parts reinforced with steel parts

MODULAR PE PARTS

M0PK60
Inner Diameter :28 cm
Outer Diameter :60 cm
Height :75 cm

M0PK100
Inner Diameter :50 cm
Outer Diameter :100 cm
Height :100 cm

STEEL LADDER

Made with Hot dip galvanized or stainless steel.Durable for harsh sea conditions.

SELF-CONTAINED LANTERNS

The Self-contained Lanterns combine a compact, high-efficiency solar engine with premium components and a rugged design for best-in-class performance.Built-in calendar function for automatic de-activation during offseason months.Adjustable intensity and range.GPS synchronized flash option.

MODULAR
ONSHORE PE TOWER AND MAST ACCESSORIES

Additional Equipments :Solar panel,racon,ais,meteorology/hydrology sensor,battery,charging unit etc.

SOLAR PV SYSTEM

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Very low power consumption

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for AtoNI

Housed in a rugged triple protected housing suitable for the harsh marine environment, it can be deployed on exposed location on buoys and fixed structures.
The unit comes with GPS antenna integrated in the housing but an external GPS antenna can be connected if required.











M75000 (DIAMETER 2200mm)
IALA BUOYAGE SYSTEM COLOR AND TOP MARKS

International Association of Lighthouse Authorities (IALA) was formed to unify the World's buoayage system. The system consists of 2 regions: A and B. Turkey is placed in region A. The IALA system is made up from 6 types. buoys (Lateral ,Cardinal,Isolated Danger,Safe Water,Special Warnings,Emergency Wreck)

LATERAL MARKS

System	Code	Color	Mark
A	75001		
A	75002		
A	75003		
A	75004		
B	75005		
B	75006		
B	75007		
B	75008		

ISOLATED DANGER MARK

Code	Color	Mark
75013		

SAFE WATER MARK

Code	Color	Mark
75014		

SPECIAL MARK

Code	Color	Mark
75015		

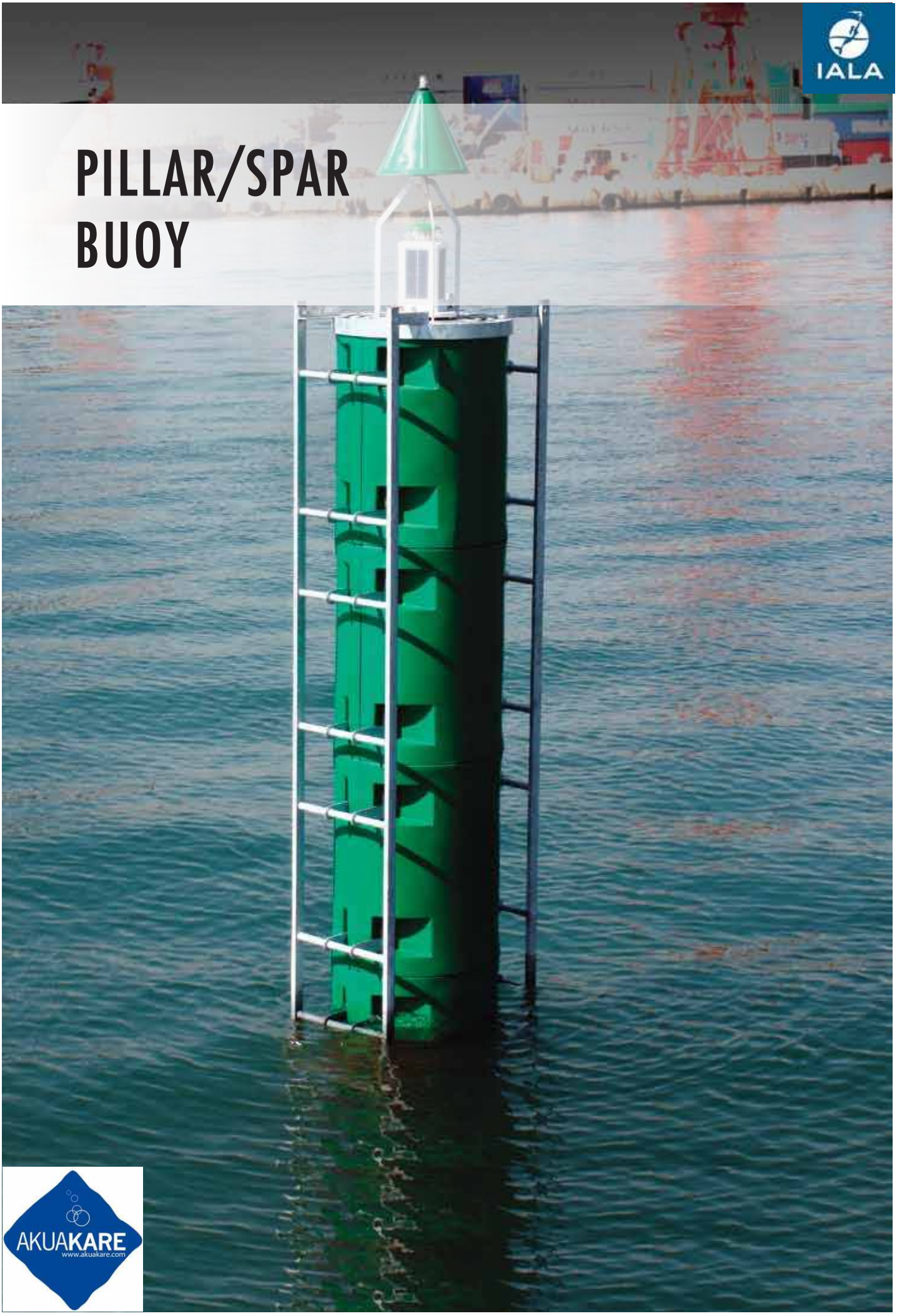
CARDINAL MARKS

Code	Color	Mark
75009		
75010		
75011		
75012		

EMERGENCY WRECK MARK

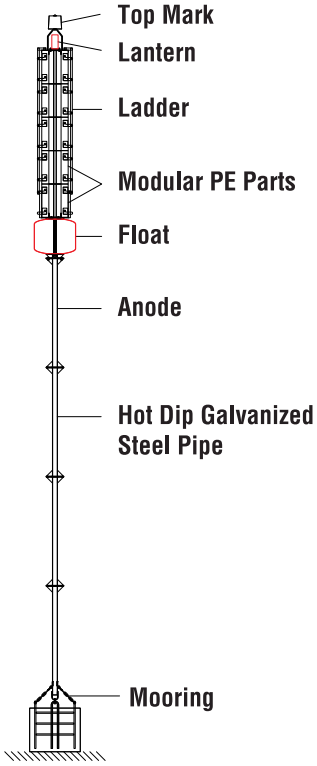
Code	Color	Mark
75016		

PILLAR/SPAR BUOY



M60060 PILLAR/SPAR BUOY

For Narrow Channels. Upper Part made from PE. Hot dip galvanized ladder. Pillar/Spar Buoy is tied up to the weight with buoy which is underwater and steel construction.



STEEL LADDER

Made with Hot dip galvanized or stainless steel.Durable for harsh sea conditions.

M850
3 to 6NM Range GPS

M650H
3 to 4+NM Range GPS

M550
1 to 3 NM Range

SELF-CONTAINED LANTERNS

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