



Activa

PartnerPlast has decades of experience developing products for use in some of the roughest sea conditions in the world. We have developed knowledge about the forces of nature and product requirements to work reliably in such conditions. We are a global supplier of buoyancy products, and Clients utilize our products when anchoring large structures offshore. We utilized all our expertise when we developed our complete product line for aquaculture and fish farms.

We named it Activa.



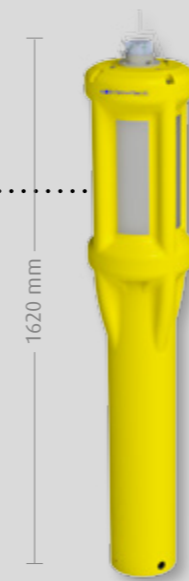
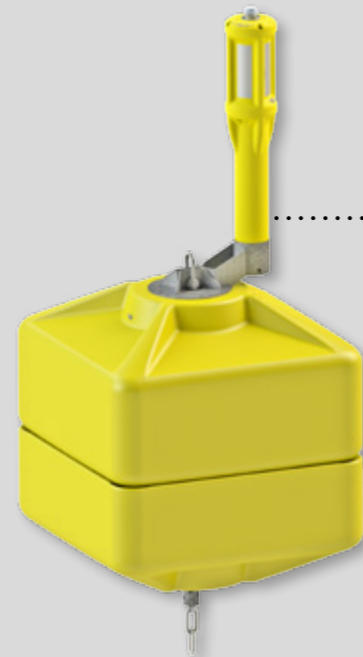
Activa Aquaculture Buoys

Activa is PartnerPlast's new complete product line of buoys and equipment for aquaculture and fish farming, adopted for use in harsh environments.

During the development of the Activa series of products, we have built on our expertise and extensive experience producing buoys and buoyancy products for the offshore industry worldwide. We have learnt important lessons from some of the harshest operating environments in the world, and users of PartnerPlast's Activa buoys will benefit from these learnings.

Activa aquaculture buoys is a complete range of buoys with volumes from 800 to 12 000 liters. The buoys have an outer shell of impact-resistant, rotational molded polyethylene (PE). The filling material of the buoys are expanded polystyrene foam (EPS), and has very good buoyancy capacity. The buoyancy properties of our products have been developed and tested over a period of several years. All Activa buoys are equipped with chain fittings.

PartnerPlast accepts Activa buoys in return for recycling.



Activa Aquaculture Lights

Activa 1 600 PWX GPS is a marking light developed by PartnerPlast and specially designed for aquaculture facilities and in compliance with the requirements of local authorities for use along the Norwegian coast.

Important design features are both visibility during nighttime and daytime, as well as visibility by radar. PartnerPlast can customize the specifications and configurations to be compliant with other requirements, if needed by Clients.

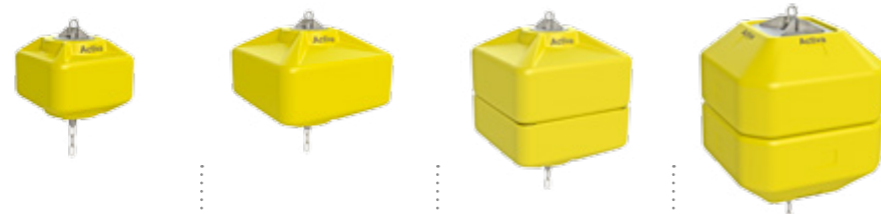
Activa 1 600 PWX GPS consists of a rotational molded yellow mast, a battery assembly, a radar reflector and LED lights with GPS receiver. The LED lights have very low power consumption and comply with IALA recommendations. PartnerPlast offers various adapters for the light to fit several buoy models.

Harsh environment

PartnerPlast offers the Heavy Duty Activa aquaculture buoys with reinforced shell. PartnerPlast recommends such solution for buoys exposed to harsh environment and extensive handling.

Ask for HD series.

The manufacturing process of Activa aquaculture buoys are according to Norwegian Standard for floating fish farms (NS 9415)



	Activa FFB 700	Activa FFB 2000	Activa FFB 3300	Activa FFB 4400
Volume	830 liter	2 180 liter	3 580 liter	4 840 liter
Buoyancy	730 kg	2 040 kg	3 330 kg	4 400 kg
Weight	130 kg	210 kg	340 kg	590 kg
Armature	54 kg	57 kg	61 kg	122 kg
Length x width x height (cm)	111 x 111 x 90 cm	162 x 162 x 122 cm	162 x 162 x 177 cm	180 x 180 x 194 cm
MBL	52 tonn	52 tonn	52 tonn	70 tonn



	Activa FFB 4900	Activa FFB 6300	Activa FFB 7800	Activa FFB 8200	Activa FFB 11300
Volume	5 140 liter	6 900 liter	8 300 liter	8 950 liter	12 070 liter
Buoyancy	4 850 kg	6 300 kg	7 770 kg	8 200 kg	11 310 kg
Weight	420 kg	800 kg	760 kg	1 000 kg	1 090 kg
Armature	65 kg	146 kg	123 kg	153 kg	131 kg
L x W x H	162 x 162 x 237 cm	180 x 180 x 263 cm	234 x 134 x 217 cm	180 x 180 x 331 cm	234 x 234 x 294 cm
MBL	52 tonn	70 tonn	70 tonn	70 tonn	70 tonn

AIS Automatic Identification System

PartnerPlast's AIS transmitter allows the position of Activa buoys to display on AIS system onboard boats and vessels in the surrounding area. The transmitter avoids potential interference from buoys with similar equipment or from other vessels in the area.

The AIS unit is equipped with its own buoyancy and can either be mounted on Activa buoys or be used in the water as a standalone unit.

The information from the unit transmits via AIS and displays on the electronic map system aboard vessels. The unit is also equipped with a marker light for visualization at sea. In order to work reliably in extreme conditions and harsh environments, a rotationally molded, cylindrical PE shell protects the AIS unit including light, battery and antenna.

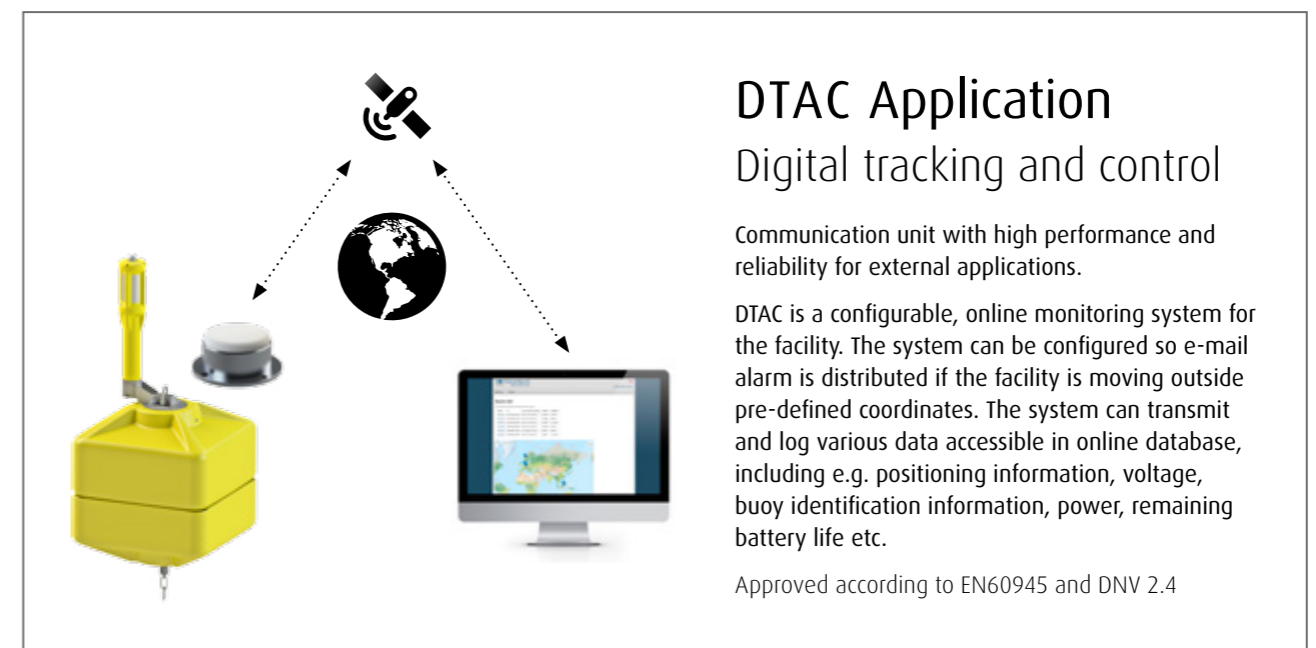


DTAC Application Digital tracking and control

Communication unit with high performance and reliability for external applications.

DTAC is a configurable, online monitoring system for the facility. The system can be configured so e-mail alarm is distributed if the facility is moving outside pre-defined coordinates. The system can transmit and log various data accessible in online database, including e.g. positioning information, voltage, buoy identification information, power, remaining battery life etc.

Approved according to EN60945 and DNV 2.4





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