JELLYFISHBOT



2019 winner of the **«Zero waste in the Mediterranean sea by 2030»** challenge

Public's award at the 2019 **International Exhibitions of Inventions** in Geneva

Winner of the **« Orange 5G @Marseille 2019 »** challenge



Every year, millions of tons of waste and oil end up in seas and oceans. If nothing is done, **there will be more plastics** than fishes by 2050.

80%

of marine pollution is land-based and an increasing amount of waste, driven away by rain, wind or simply thrown by negligent citizens, are found in rivers, ports, then in the seas and oceans.

Collecting the waste at the closest point from its emission sources is therefore essential before waste is dispersed at sea.

In ports, marinas, canals, the majority of waste is washed away by currents and is found in hard-to-reach areas (between boats, under the docks, etc.).

We have designed **an innovative robotic solution**, the JELLYFISHBOT, **to collect waste and oil** in these difficult areas and thus participate in the environment preservation.





AN ENVIRONMENTAL AND TECHNOLOGICAL SHOWCASE:

- innovative and eco-friendly for an attractive green committed city
- visible and quiet for a modern and peaceful harbor
- excellent tool for raising marine pollution awareness (ex: tourists, schoolchildren, etc.)



A SOLUTION FOR THE AQUATIC ENVIRONMENT PRESERVATION:

- macro/micro waste and plant debris collection (even in confined areas with heavy accumulations of waste)
- intervention to address light/viscous oil pollution incidents
- water quality measurement

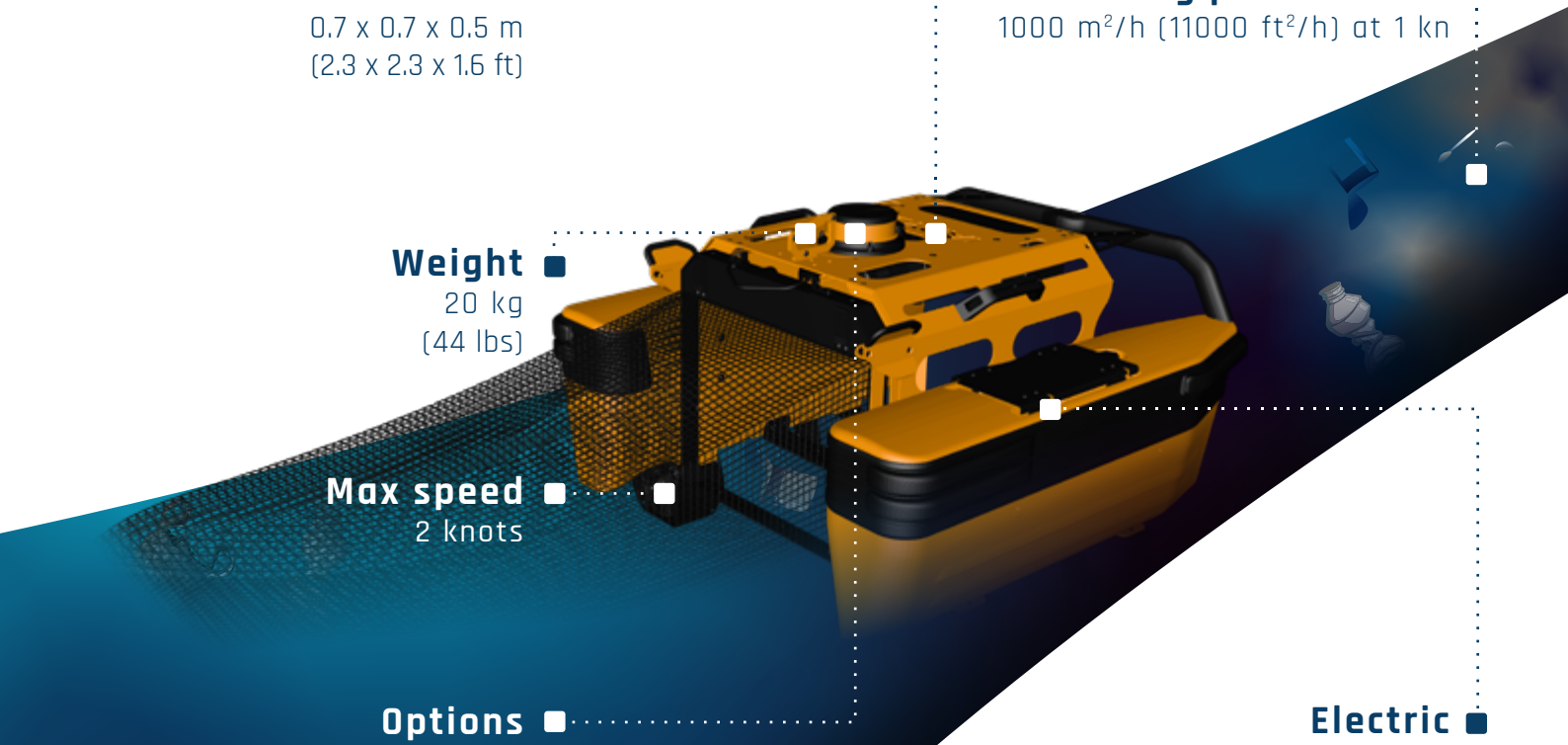


MAIN FEATURES

Dimensions
0.7 x 0.7 x 0.5 m
(2.3 x 2.3 x 1.6 ft)

Cleaning performance
1000 m^2/h (11000 ft^2/h) at 1 kn

Weight
20 kg
(44 lbs)



Max speed
2 knots

Options
autonomy, camera, beacon,
water resistant smartphone, etc.

Electric
until 6 hours autonomy

MAIN DUTIES

French made

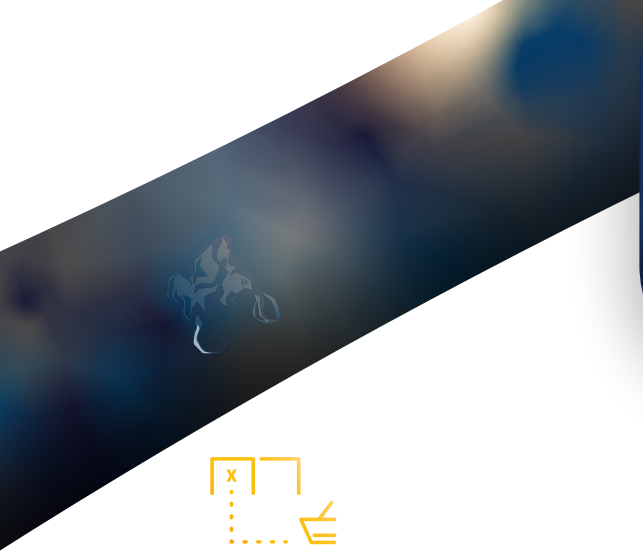
Patented collection system

Collecting floating waste

80 L
(21 US gal)
per net

Collecting oil

30 L
(8 US gal)
per net







A MULTIPURPOSE PORT ROBOT ASSISTANT:

- inspecting infrastructure
- welcoming pleasure boaters and driving to their location
- transporting objects for port users (lost items, deliveries, etc.)



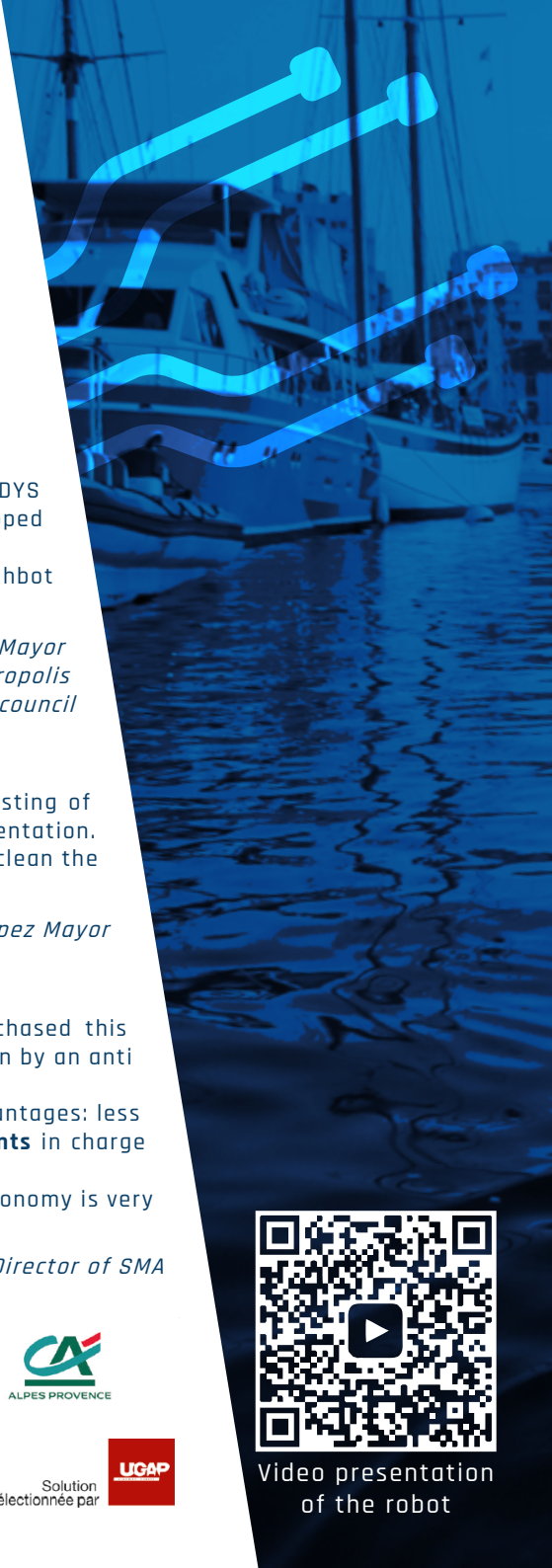
A SIMPLE AND EFFICIENT SYSTEM:

- compact, light and handy
- robust and fast to implement
- rewarding and secure for the operator



IADYS
Interactive Autonomous DYnamic Systems

Immeuble LIBER 1 - N°Z09
ZA Le clos du rocher, ZI Plaine du Caire 1
13830 Roquefort-la-Bédoule, France
+33 (0)9 87 03 65 47
contact@iadys.com
www.iadys.com



TESTIMONIAL

Cassis

«The marina office acquired the Jellyfishbot early 2018. We use it twice a week. IADYS company has been doing all their tests in Cassis. **We are the first marina** to be equipped with the robot.
Cassis is recognized for its environmental actions. We are proud to be the Jellyfishbot long-time partner.»

Danielle Milon, Cassis Mayor
Vice-President of the Aix-Marseille Provence Metropolis
Vice-President of the Bouches-du-Rhône department council

Saint-Tropez

«For several years, the city has been engaged in a **«Clean Harbor»** initiative consisting of reducing pollution of its port area, through a number of devices and actions implementation. It is within this framework that we acquired the Jellyfishbot in July 2019 to help us clean the harbor, and the experience has proven to be successful.»

Jean-Pierre TUVERI, Saint-Tropez Mayor

SMA (Société Monégasque d'Assainissement)

«The Monaco Sanitary Company (Société Monégasque d'Assainissement) has purchased this robot to maintain the Larvotto beach swimming area enclosed throughout the season by an anti jellyfish net.
This robot has replaced the previously used sea scooter thanks to its following advantages: less noise, no smell, **more efficiency**, **less risk** for swimmers and **more serenity for agents** in charge of cleaning the water.
The use of the robot is easy, it is very handy, emptying the net is simple and the autonomy is very satisfactory.»

Marie Bérard, Cleanliness & Environment Assistant Director of SMA

Video presentation of the robot