

IADYS

Innovate, clean-up, measure, preserve



OUR PURPOSE

Innovate

to meet present ecological challenges

Clean-up

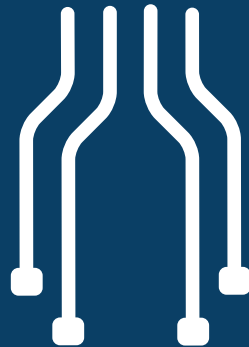
close to pollution sources

Measure

the status of aquatic environments

Preserve

the biodiversity



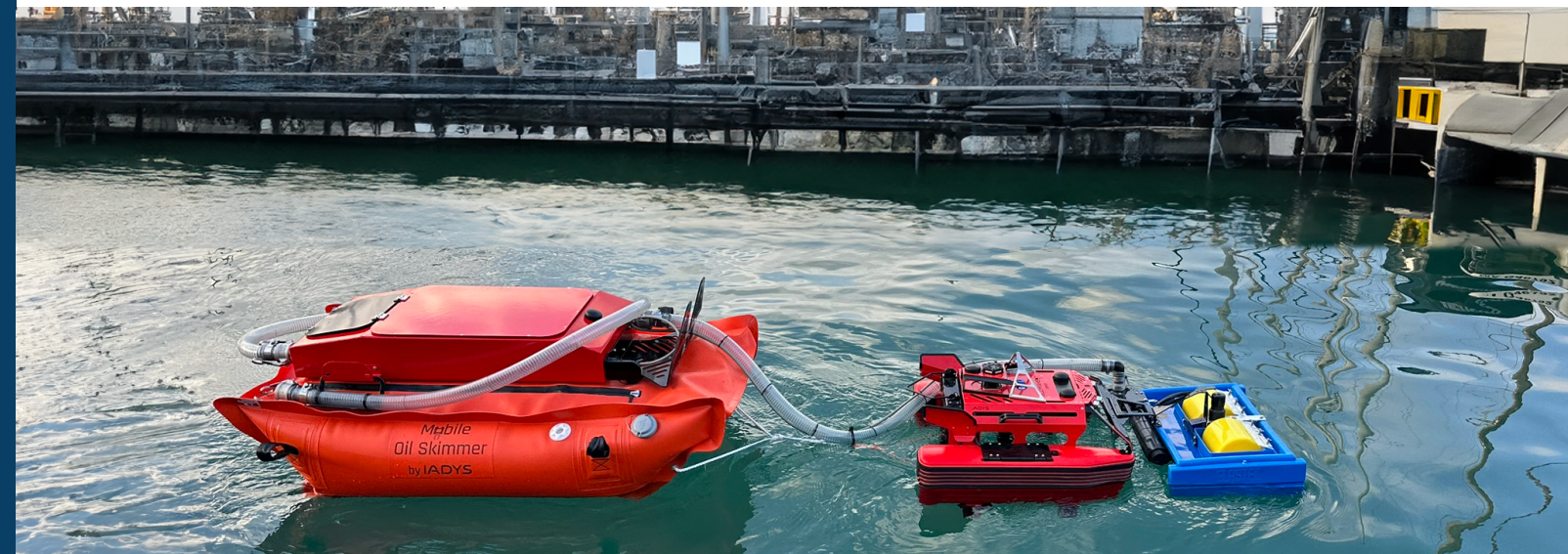
STRATEGY & VISION

In a world that more than ever requires solutions to reduce man's impact on the environment, our technologies are aimed at **industrial companies, anti-pollution experts, port authorities, water body managers, scientists, researchers and environmental associations.**

Our strategy is based on deploying our innovations at the crossroads of AI and robotics on all polluting sites to support their ecological transition and reduce their impact on the aquatic environment.

Our vision is 5 fold:

- Act at source by equipping those likely to pollute
- Automate and make systematic the cleaning
- Improve our environment' knowledge, measure water quality and anticipate pollution
- Innovate and support the ecological transition of the industrials
- Secure interventions in hostile environments



KNOW-HOW



JELLYFISHBOT

Compact, lightweight, intuitive

[Know more +](#)



JELLYFISHBOT
EXPERT

Rugged, high-performance, versatile

[Know more +](#)



Mobile
Oil Skimmer

Modular, resistant, surgical

[Know more +](#)

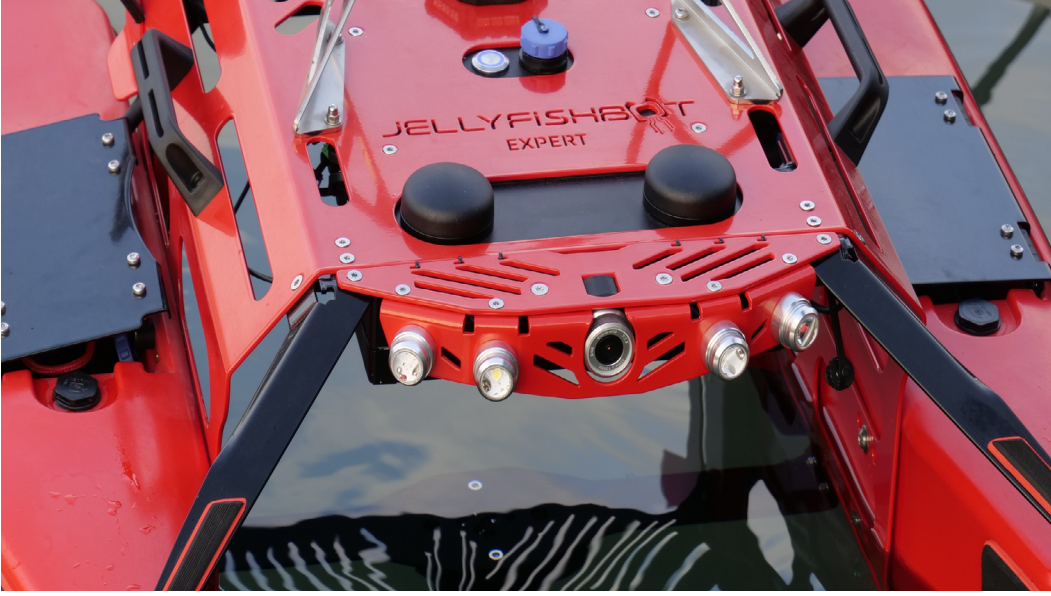


JellyfishApp



IADYS
Monitoring Station

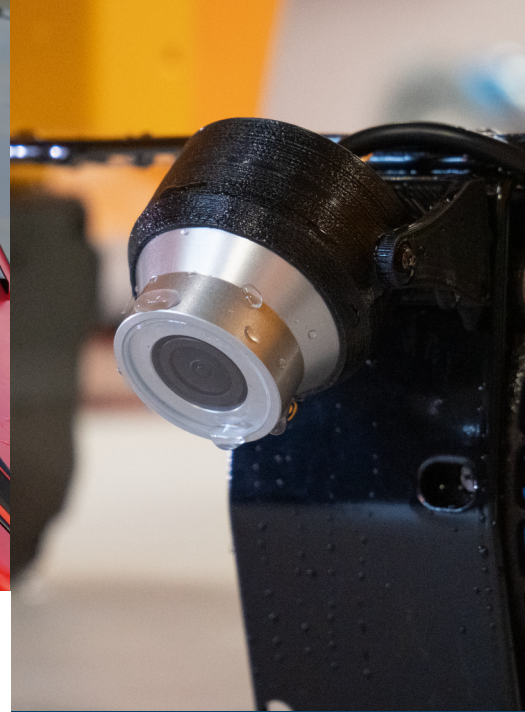




Inspections

Our robots are equipped with sensors and cameras, enabling them to be operated out of sight and to carry out remote inspections in hard-to-reach areas, both above and below water.

LED lighting enables inspections to be carried out in the dark.



- Surface camera
- Underwater steerable camera
- Visual warnings
- Audible warnings



Waste collection

Our robots can collect macro- and micro-waste from the water surface, such as industrial plastic pellets, floating plastics, cigarette butts, duckweeds and organic waste, paint dust...



- Disposable, reusable, upcycled nets of different mesh sizes
- Trawl for macro-waste



Containment

- Quick and easy deployment of booms (up to 100 m long) to contain the area and prevent the spread of pollution.
- Skimming and concentration of oil using booms towed by 1 or 2 Jellyfishbot robots.



- Absorbent booms
- Ultra-rapid booms

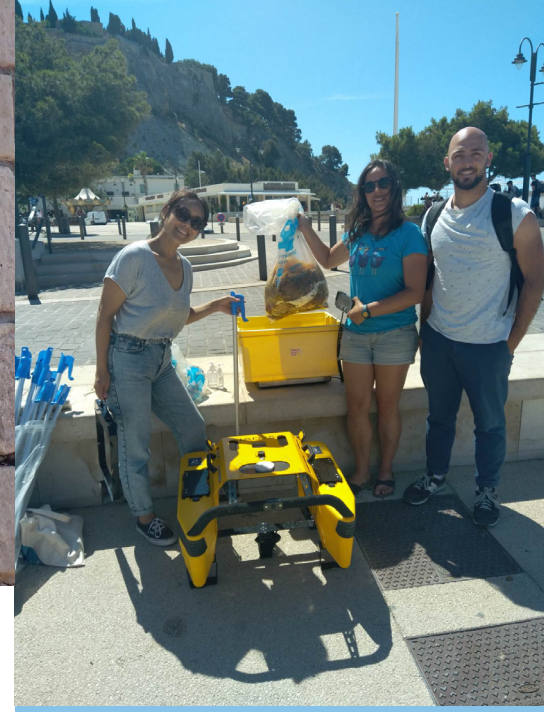
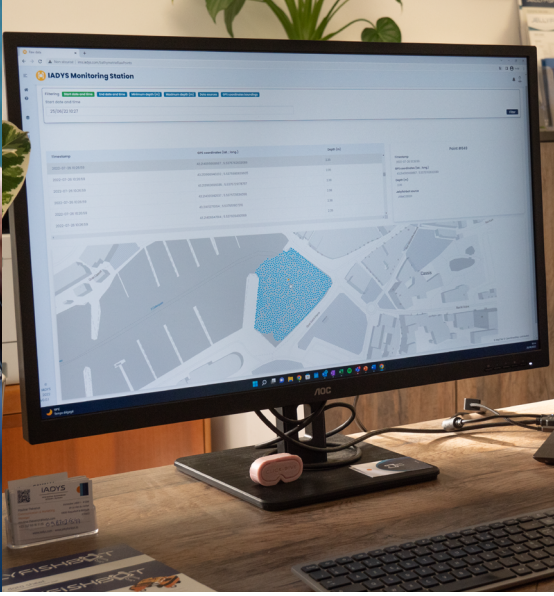


Oil collection

- Oil skimming with the Mobile Oil Skimmer (MOS) providing selectivity of up to 97%. Equipment tested under operational conditions at CEDRE.
- Capture of oil using absorbent consumables for finishing phases.



- Mobile Oil Skimmer
- Absorbent spaghetti
- Absorbent leaves



Data measurement & bathymetry

- Real-time display of data measured by the robot on the remote control.
- Automatic data transmission to the IMS* web platform.
- Data processing and data map generation from the IMS* web platform.
- Geolocalized sampling.

*IMS : IADYS Monitoring Station



- Bathymetric, temperature and salinity data's collection
- Generation of maps (bathymetry...)
- 5G, Wi-Fi connection

Awareness

IADYS is committed to offering tools, workshops and public speaking events to raise public awareness of environmental issues.

The company's external communications are designed to reach as many people as possible and encourage global awareness.



- Hummingbird treasure hunt
- Waste timeline
- Awareness-raising workshop
- Speeches, conferences, round tables...
- Citizen clean-up action in partnership with associations

IMPACT & CSR COMMITMENT



Manufacture eco-designed robots with responsible partners as close as possible to our target markets

Eco-design
-
Energy transition
-
Circular economy



Reduce our environmental impact by creating solutions and services for depollution & water preservation

Pollution risk prevention
-
Rapid response
-
Reuse of collected pollutions



Support the positive impact of our employees by sharing IADYS' vision & values

Awareness & education
-
Volunteering
-
Training & development
-
Promoting diversity & inclusion



PARTNERS & SUPPORTERS



France 2030
2024 Laureat



LBP AM 2024
Greentech of the year



Cleantech Open France
2020 Laureat





IADYS

Interactive Autonomous
DYnamic Systems

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