NORTH POINT

SCUBA DIVING NAVIGATION AID

Background

Scuba diving is a sport enjoyed all around the world.

Visibility in some diving situations is often less than
10 feet, making it difficult to find landmarks or points of interest.

Since navigation is more difficult underwater, divers rely on outdated navigation methods to inform them of where they are headed and where they have been.

Student Diver

"I want to better understand my environment"

Vacation Diver

"I want to better explore my environment"

Dive Instructor

"I want to better monitor my environment"

Understand

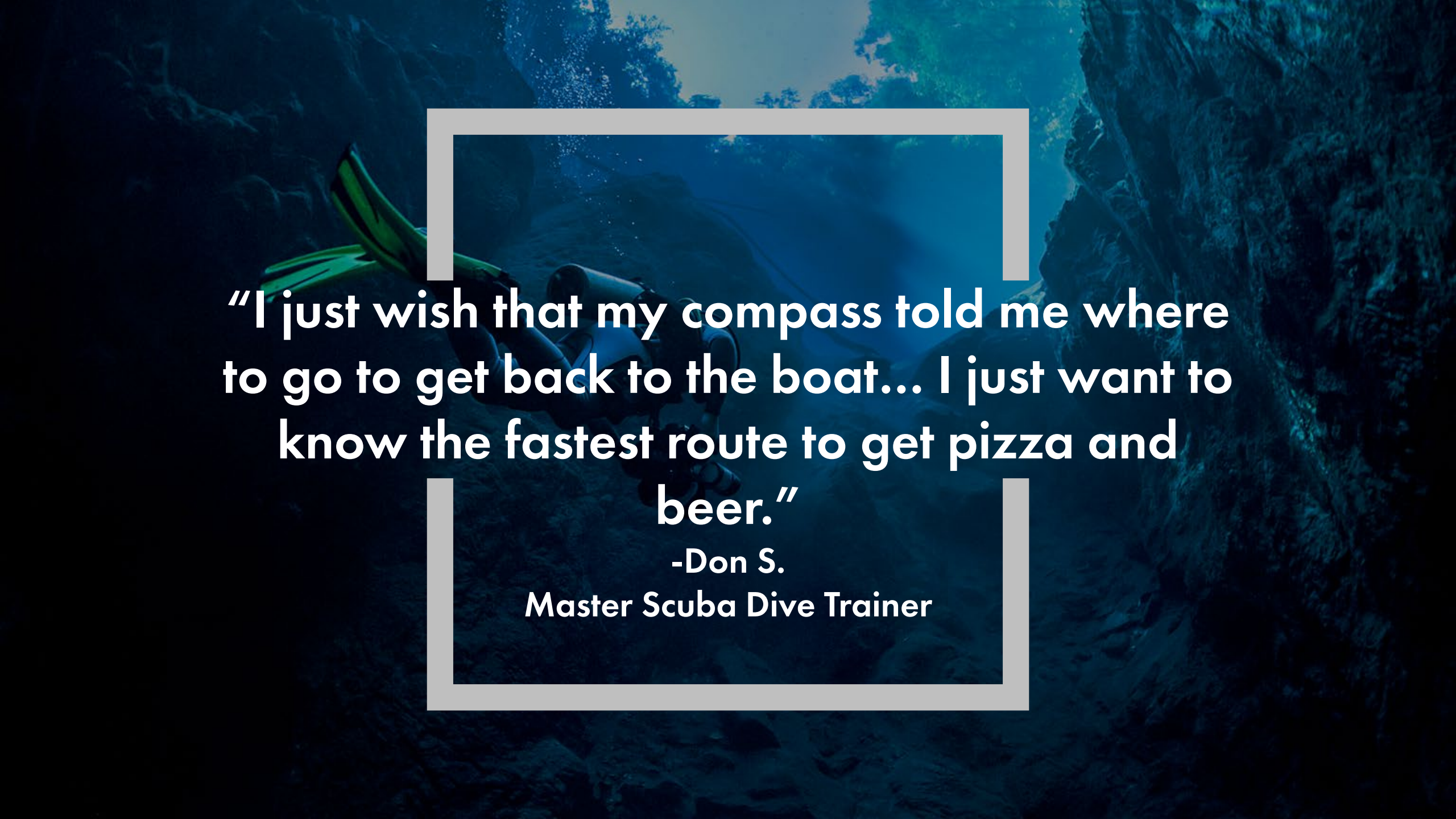
Equip divers to easily navigate around an unknown site.

Explore

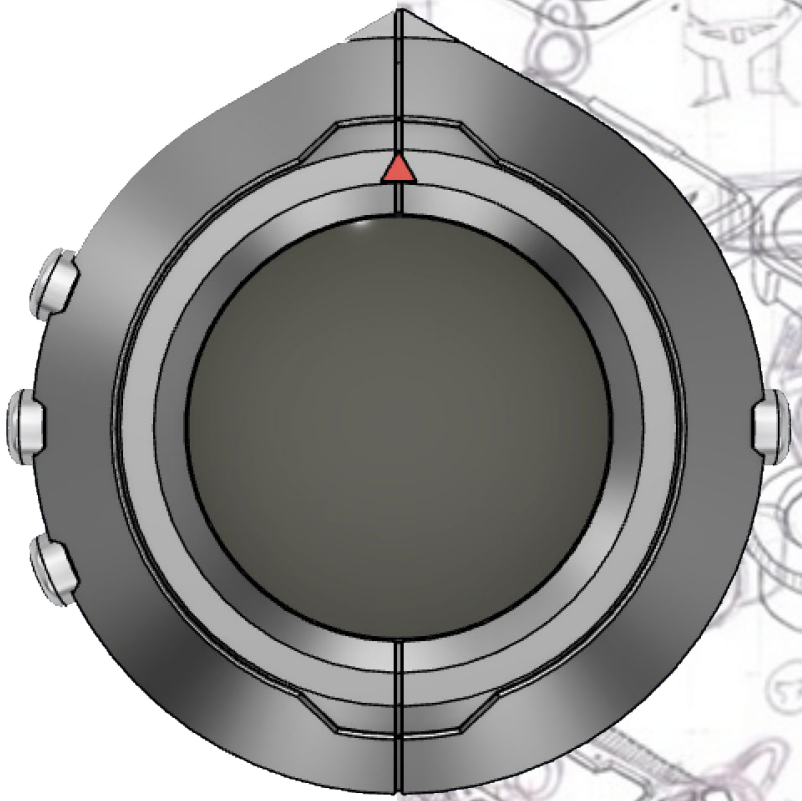
Map popular sites through crowd sourced information.

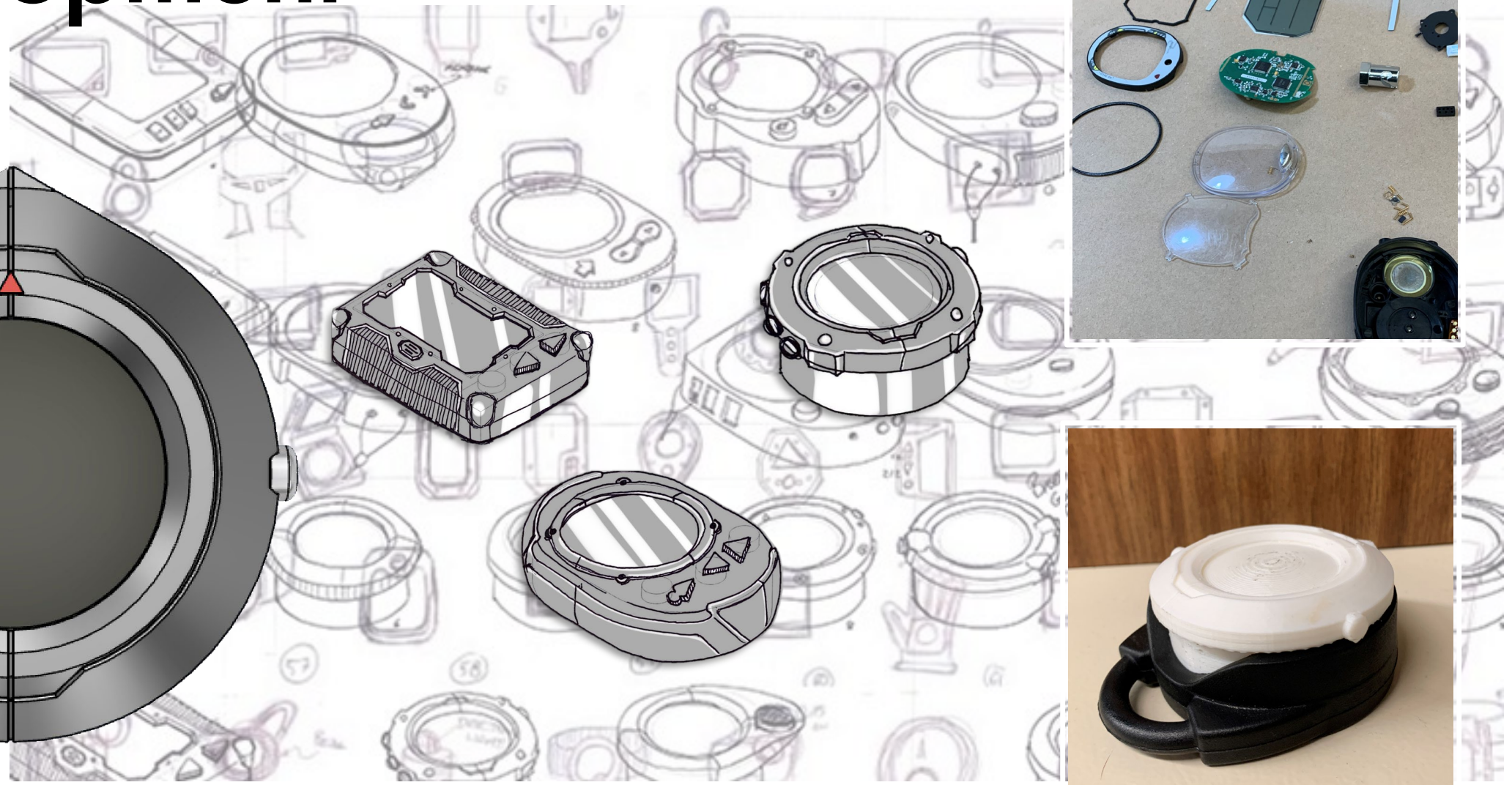
Monitor

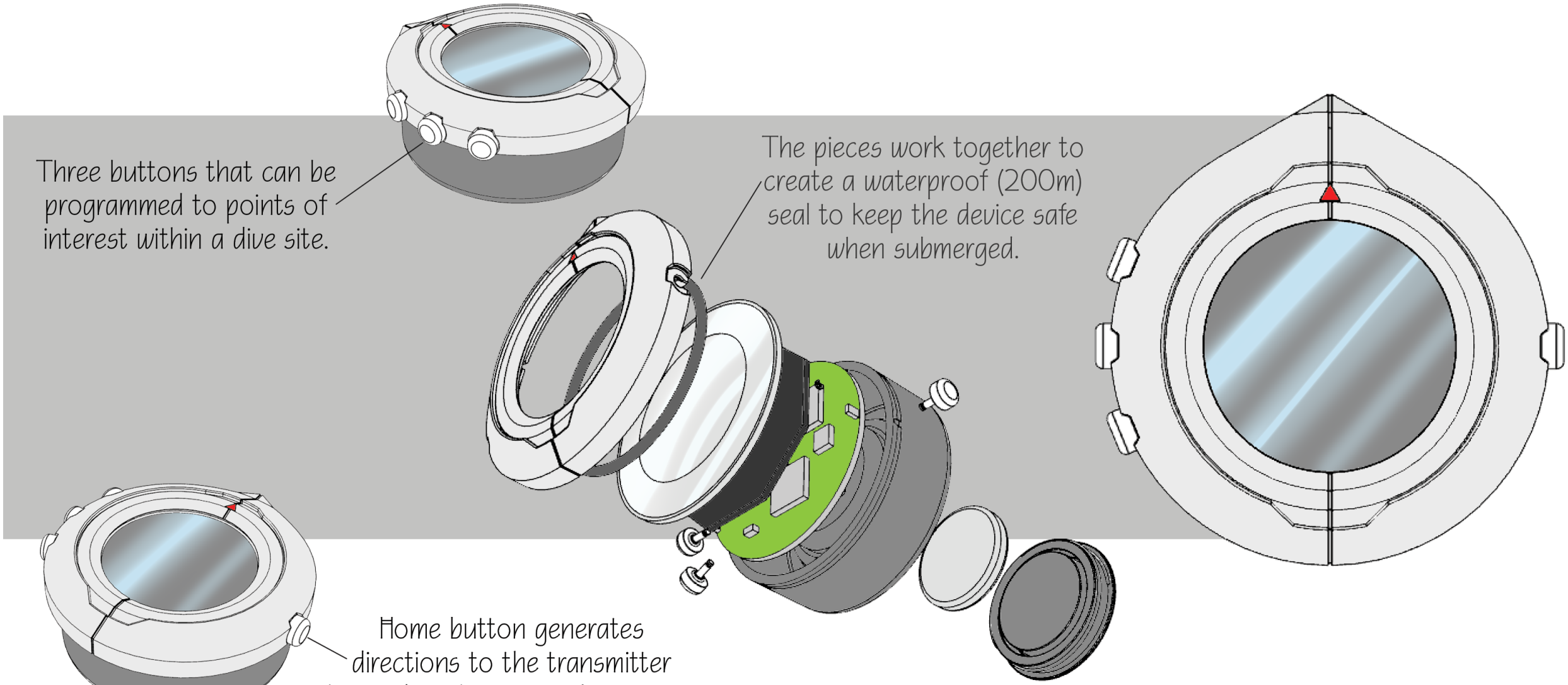
Allow instructors and surface crews to locate divers.

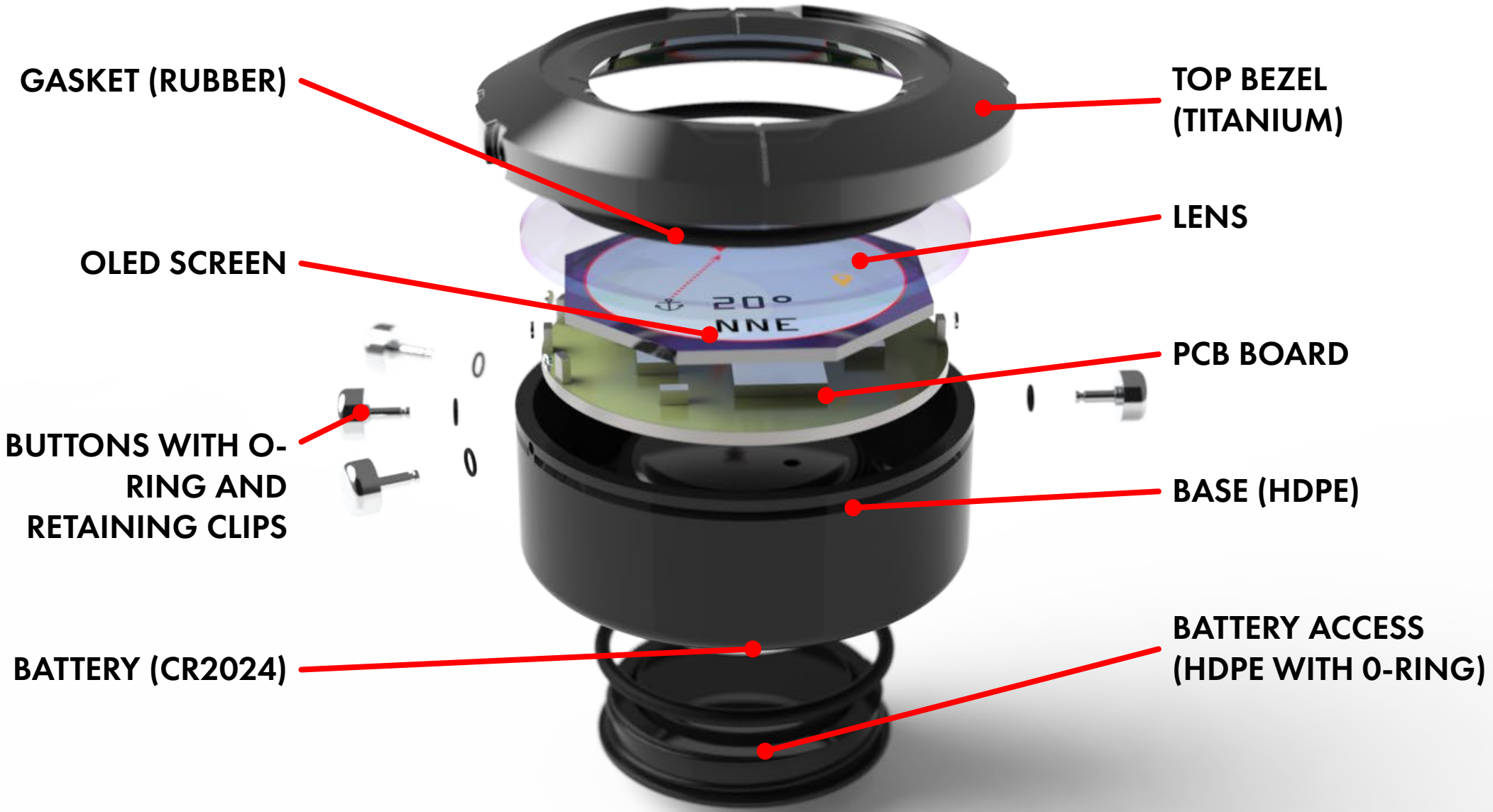

“I just wish that my compass told me where to go to get back to the boat… I just want to know the fastest route to get pizza and beer.”
-Don S.
Master Scuba Dive Trainer

Development

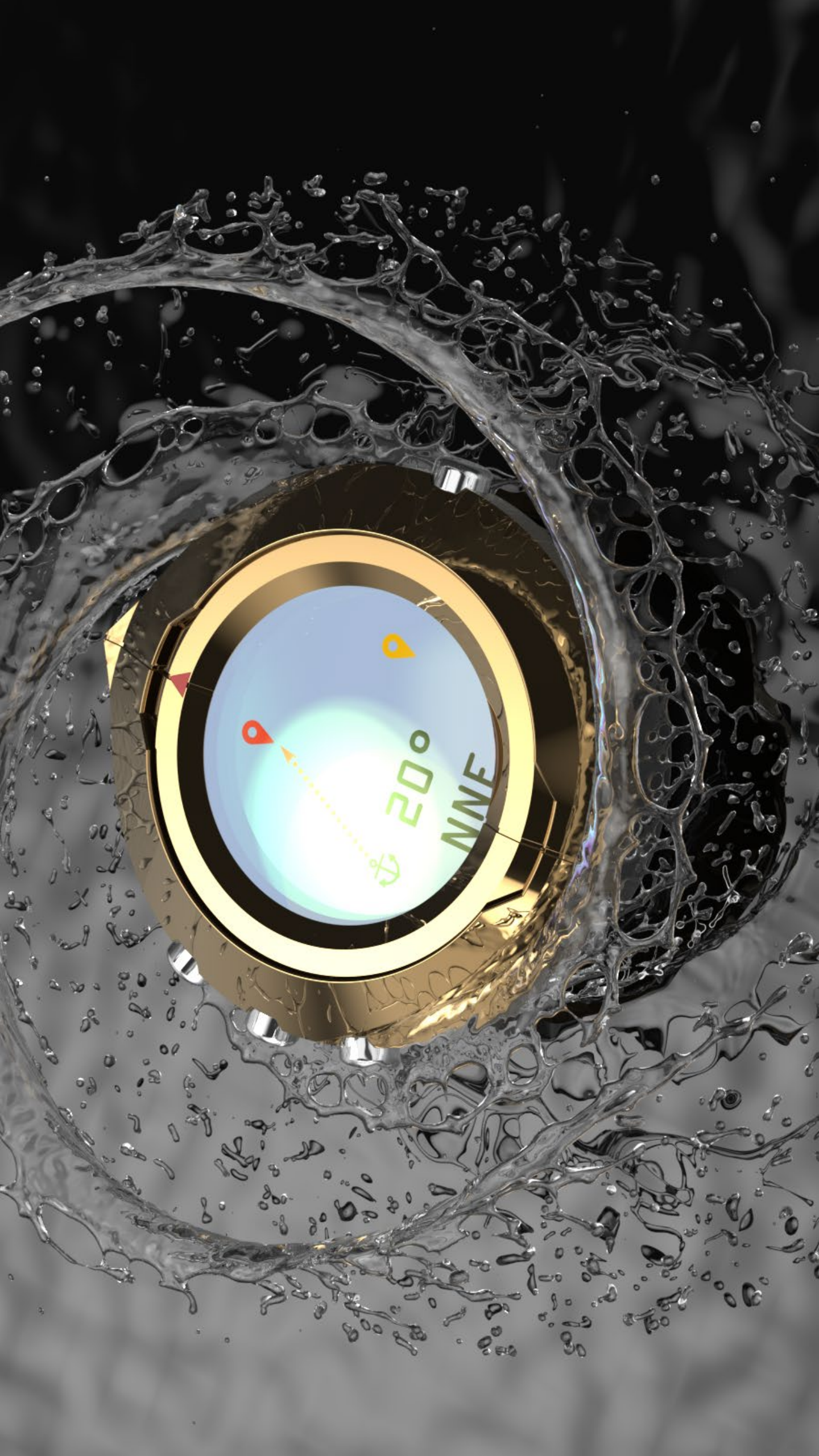





Three buttons that can be programmed to points of interest within a dive site.
The pieces work together to create a waterproof (200m) seal to keep the device safe when submerged.
Home button generates directions to the transmitter located at the point of entrance.


GASKET (RUBBER)
OLED SCREEN
BUTTONS WITH O-RING AND RETAINING CLIPS
BATTERY (CR2024)
TOP BEZEL (TITANIUM)
LENS
PCB BOARD
BASE (HDPE)
BATTERY ACCESS (HDPE WITH 0-RING)
20°
NNE

Styles


20°
NNE