

Transform your dives with Avelo



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**AVELO**

simply better scuba

# The Avelo System



CE  
0036



DOT, CE, and AGA approved; ISO 11119-2

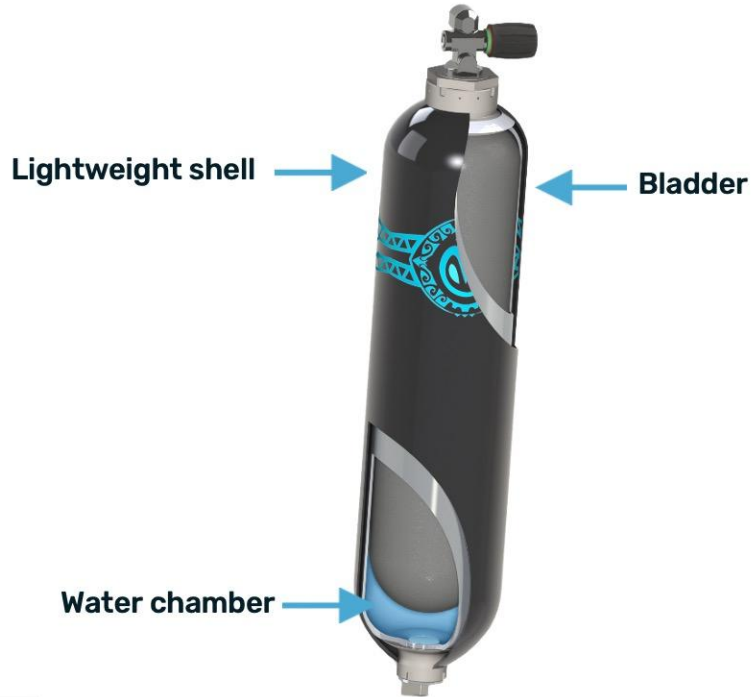




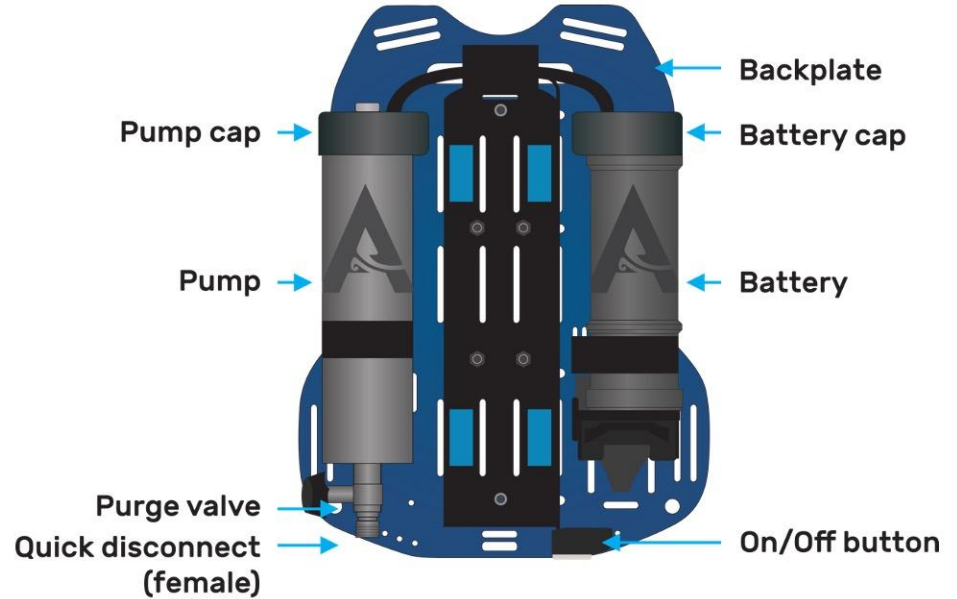
Adventure starts with **AVELO**®

# The Hydrotank and the Jetpack

## The Hydrotank



## The Jetpack



CE  
0036



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# How much weight is too much?

For the average diver

Men: 200 lbs  
Woman: 170 lbs  
Source: U.S.HHS

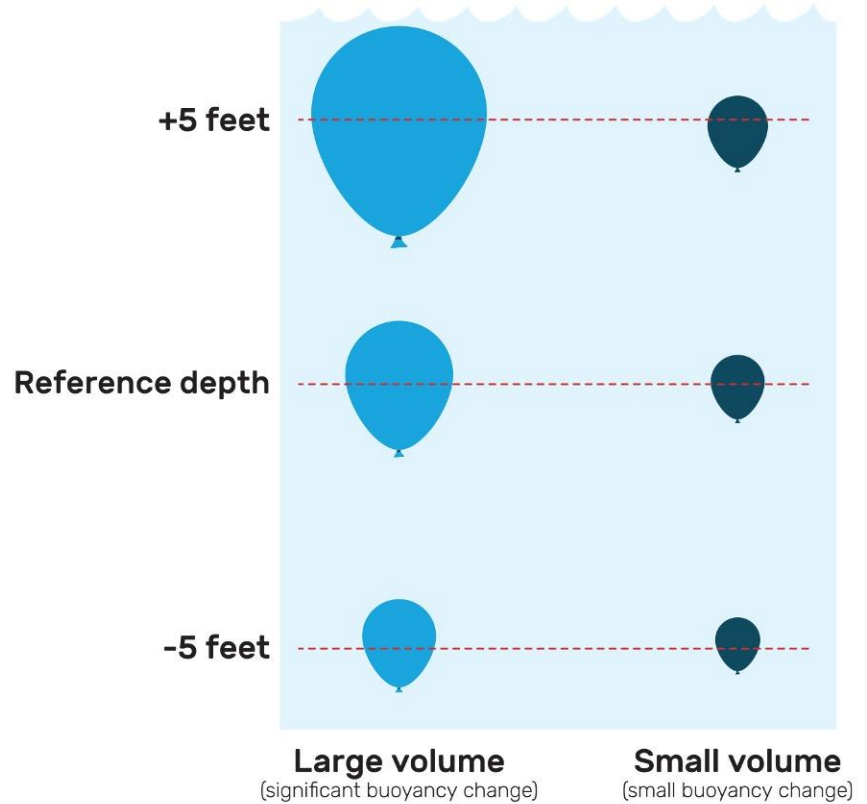
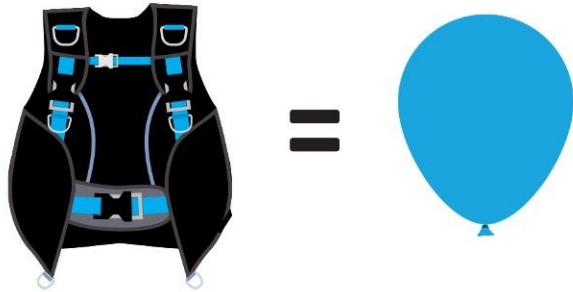
% of Body Weight	Men (lb)	Women (lb)	Rating
15%	30	25	Easy
20%	40	33	Comfortable
25%	50	42	Uncomfortably Heavy
30%	60	50	Extremely Heavy
35%	70	58	Nope
40%	80	66	Not worth it
45%	90	75	Only if my life depends on it
50%	100	83	Excalibur
55%	110	91	Thor's hammer

Rating of Perceived Exertion (Borg Scale)

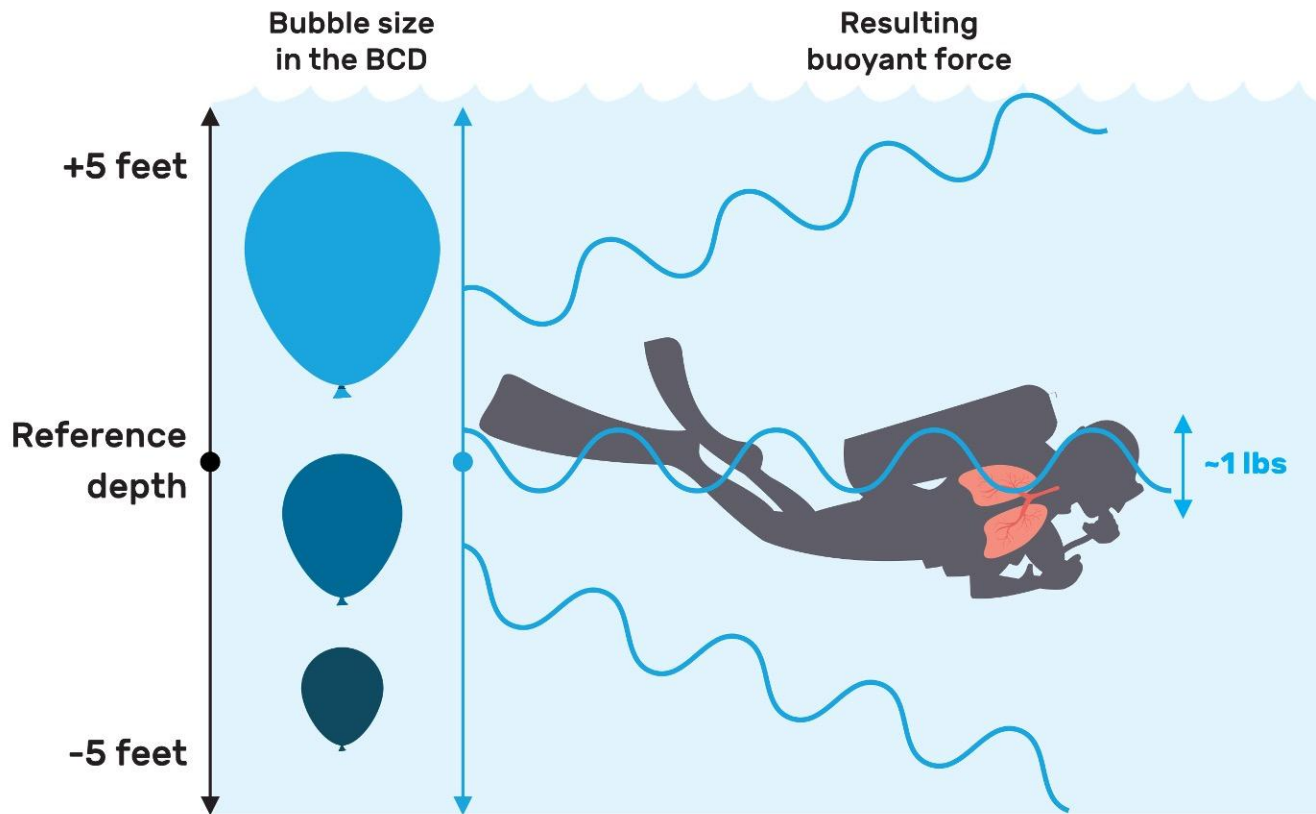


Every other outdoor industry is racing towards lighter and more efficient gear.

# The compressible volume (bubbles science)



# Compressible volume vs. tidal volume





# The Zone of Stable Neutral Buoyancy

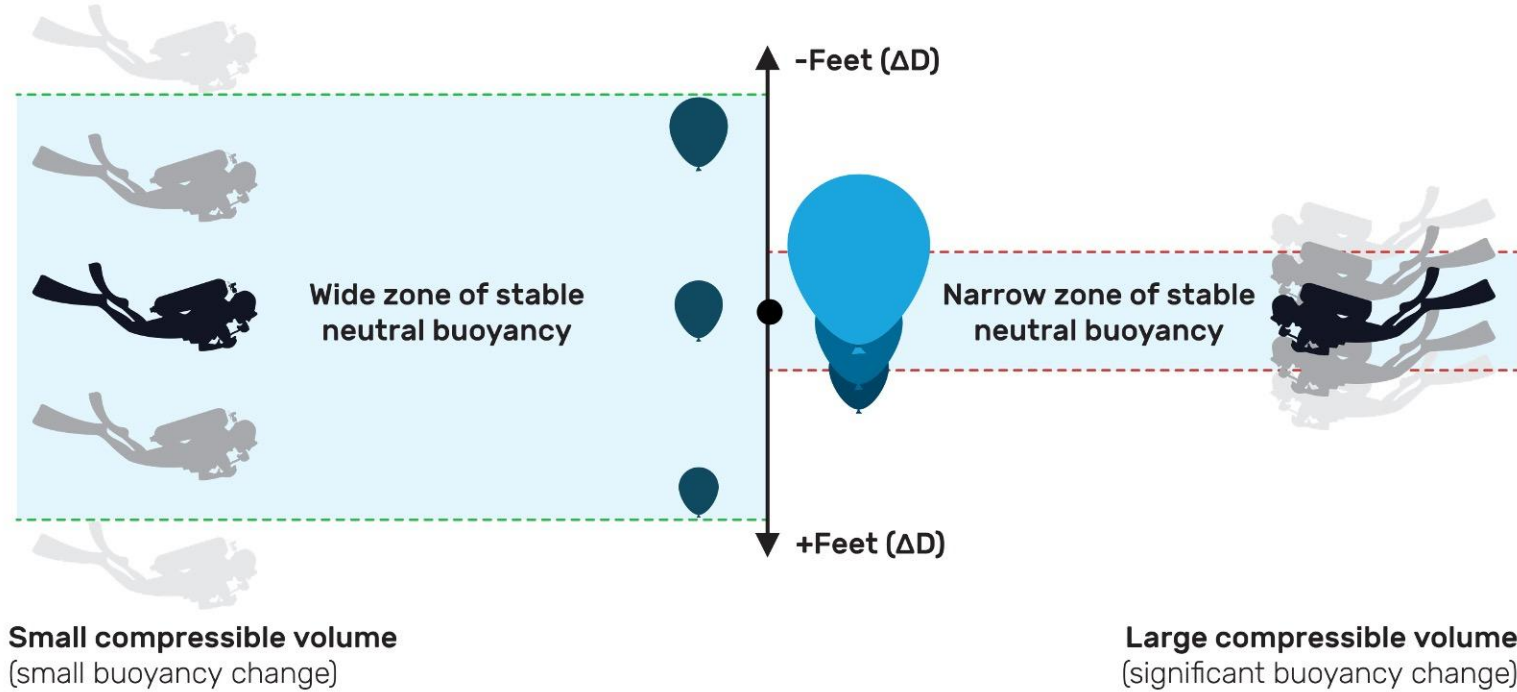
How many feet can you ascend or descend without needing to touch your BCD, and while **breathing normally**?



Neutral buoyancy today is very unstable

# The Zone of Stable Neutral Buoyancy

Zone of Stable Neutral Buoyancy with respect to compressible volume



# How does it work?



# What we learned in over 10,000 dives

**More intuitive for any diver**

**Lung control becomes  
second nature in minutes**

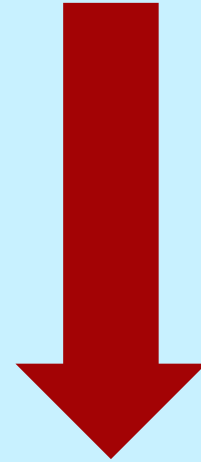
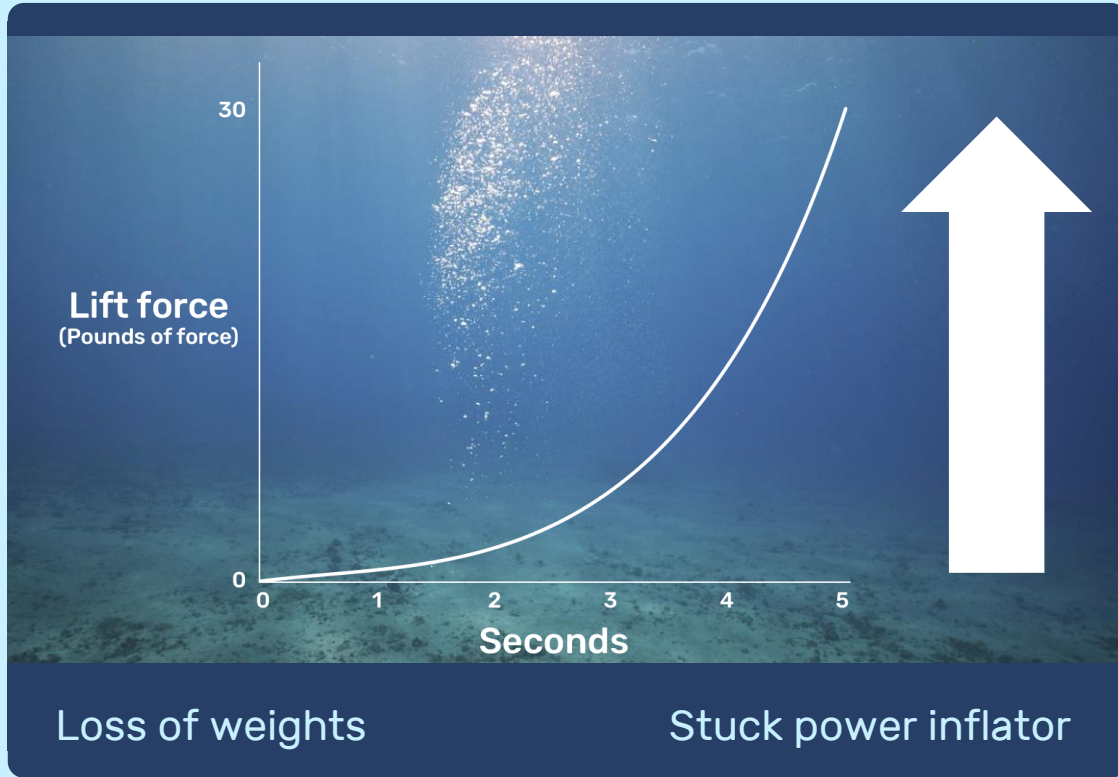
**Air consumption  
significantly improves**

**Improved overall  
diving experience**

- Everything is effortless
- Better hydrodynamics (streamlining)
- Better experience above and below water
- Easier to use and teach
- Safer than today's systems

# Safety matters

Standard gear malfunctions lead to rapid buoyancy changes



Torn or damaged  
BCD bladder

# Safety matters

The Avelo System remains in neutral buoyancy.

Any potential malfunction allows ample time to respond.



## Potential malfunctions

1

Loss of  
battery power

2

Water leak

3

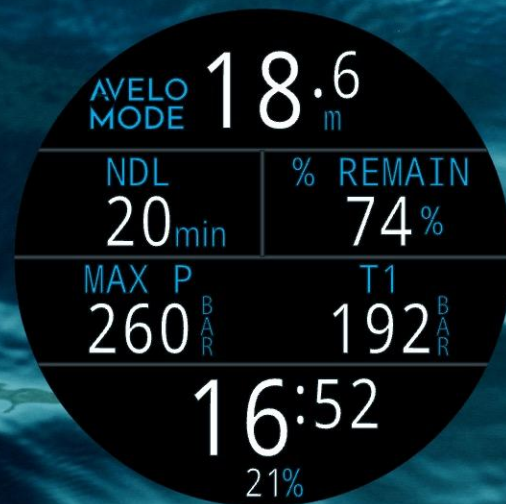
Compromised  
bladder



**AVELO  
MODE**  
boost your dive

Read the percent of gas remaining  
Calculate your buoyancy  
Post-dive data analysis

# Boost your dive





# Dive analysis tool

Choose File

No file chosen

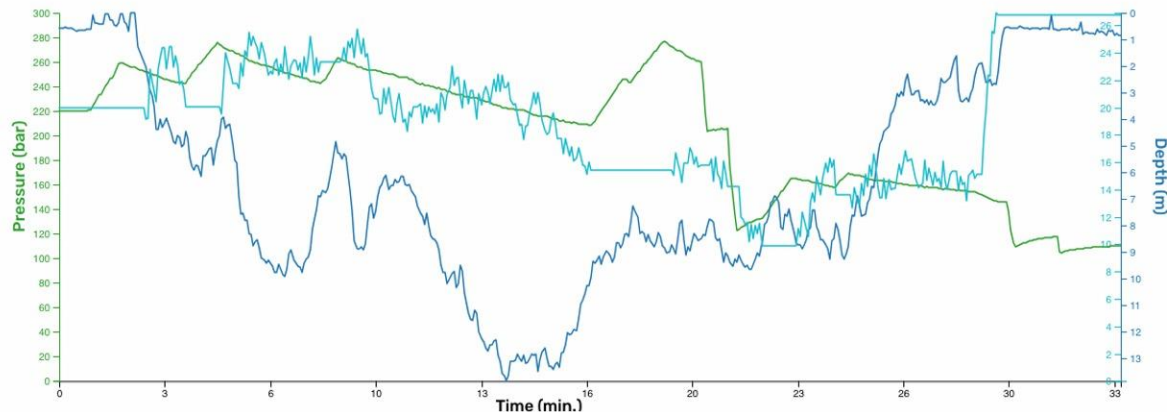
Dive logs



## Dive data

Dive log: Oct 21, 2024 at 12:19 pm Serial #: 7100349327

10L  8L



Time: 01:40

Action: NONE

Air remaining: 100%

Hydrotank Pressure: 247 bar

Depth: 0.27 m

Bladder volume: 9.16 L

Workload: 20.00 L/min

Air temp: 41.01°C

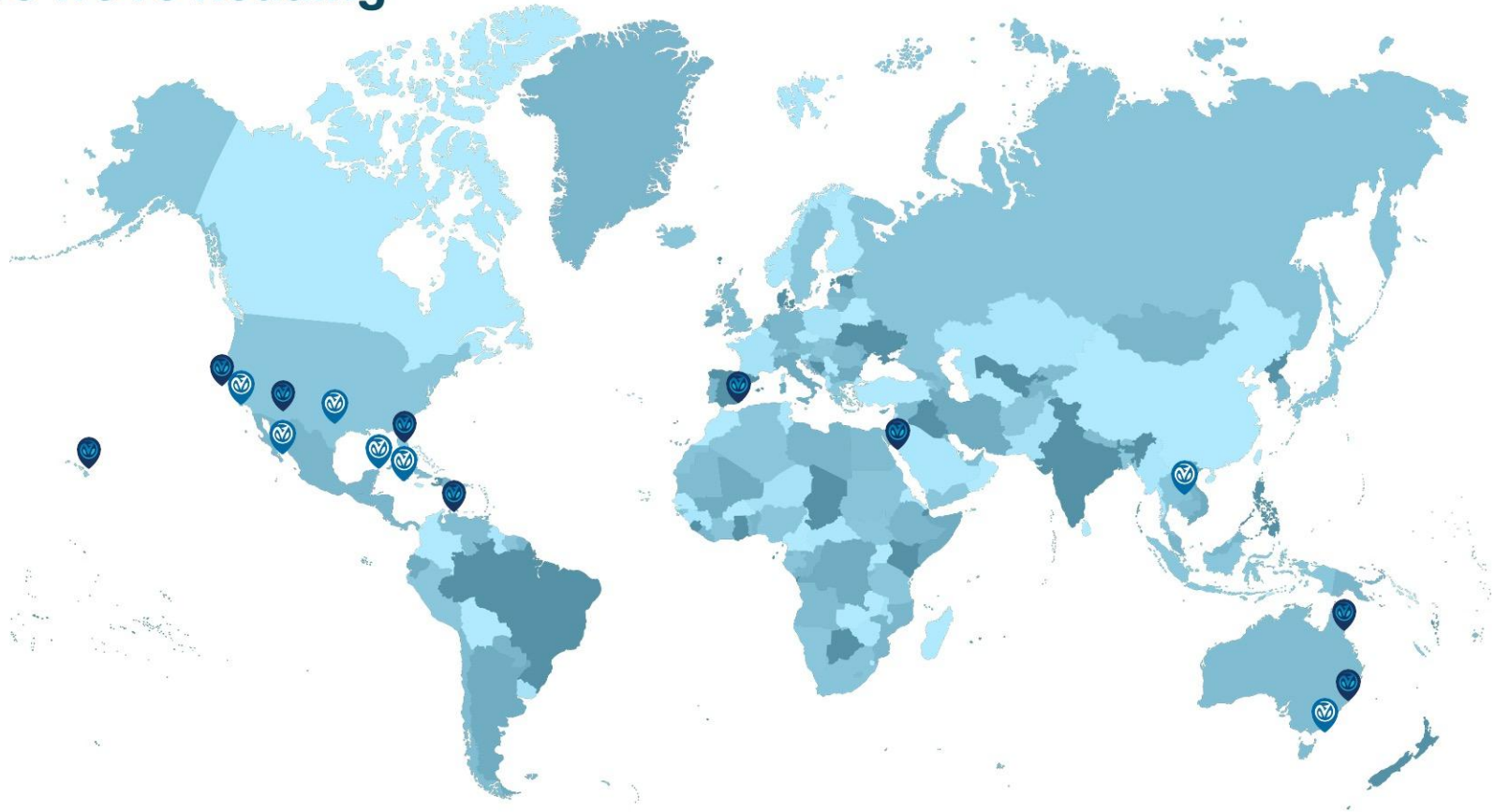
Ambient temp (C) : 30.80°C

Notes

Raed RAD 2



# Where we're heading





**Any questions?**



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**THANK YOU**

**DiveAvelo.com**