Company CEO:	Company Name			
Product demonstration station officials:				
Safety				
Check here if the company has their PASSED safety inspection of Companies without their safety inspection PASSED card cannot participate in the product demonstrate in the product demo	<u> </u>			
Fuses: ROV systems are allowed one replacement fuse during the product demonstration. In the system blows the second fuse during the demonstration, time will stop, the demonstration run w additional points will be earned. Companies should have adequate replacement fuses on hand, N replacements.	ill be over, and no			

Task # 1: Marine Renewable Energy (up to 50 points)		Points				
•	Companies must complete the steps of task 1.1 "Install a floating solar panel array" panies must complete task 1.3 "Pilot into resident ROV docking station" as the final					
1.1 up to 40 p	oints – Install a floating solar panel array					
	10 points – position a solar panel array amongst floating wind turbines	0		10		
	10 points – moor the panel array to an anchor point	0		10		
	5 points – remove the power port cover	0		5		
	10 points – install the power line connector into the power port	0		10		
1. 2 up to 15 p turbines	oints - Remove biofouling from the foundation and mooring lines of floating wind					
	5 points – remove 1 to 2 biofouling from turbines					
	10 points – remove 3 to 5 biofouling from turbines	0	5	10	15	
	15 points – remove 6 biofouling from turbines					
		T	.1.11.4		(= 0)	Total
	Total Task # 1 (out of 50)				150)	

Task # 2: Heathy Environments From the Mountains to the Sea (up to 120 point	ts)	Points	
2.1 up to 20 points – Identify reef organisms using eDNA			
5 points – collect a water sample from above the coral head	0		5
5 points – return the water sample to the surface, side of the poo	ol 0		5
5 points each, 10 points total – use the eDNA data to identify co fish species	oral reef 0	5 1	10
2.2 up to 30 points – Administer Rx to diseased corals			
10 points – irradiate the diseased area of coral with simulated U	V light 0	1	10
10 points – place a tent over the diseased area of coral	0	1	10
10 points – insert a syringe filled with "probiotic" fluid into the p	oort 0	1	10
2.3 up to 10 points - Monitor and protect seagrass habitat			
5 points – install an Eco-Mooring system to protect habitat	0		5
5 points – secure the Eco-Mooring by rotating it 360 degrees	0		5
2.4 up to 20 points - Reintroduce endangered native Northern Redbelly Dace fry			
5 points – transport the fry to the release area	0		5
5 points – allow the fry to acclimate to local conditions	0		5
5 points each, 10 points total – release the fry	0	5 1	10
2.5 up to 30 points - Ensure the health and safety of Dillon Reservoir			
5 points – recover a damaged buoy rope	0		5
5 points – place a new buoy rope and bouy in the designated are	ea 0		5
10 points – attach a lift bag to the container	0	1	10
5 points – inflate the lift bag to lift the container	0		5
5 points – return the container to the surface, side of the pool	0		5
2.6 up to 10 points - Monitor endangered Lake Titicaca giant frogs			
10 points – install a long term camera into a designated area	0	1	10
		#2/: ·	-£420\
	Total Task	# 2 (out	of 120)

Task # 3: MATE Floats! 2023 (up to 30 points)		Points		
3.1 up to 60 points – MATE Floats!				
10 points – Pull a pin to simulate the float ascending to the surface	0	10		
5 points – recover the float to the surface, side of the pool	0	5		
15 points – graph water temperature versus data	0	15		
		Total		
	Total Task #			

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Penalty Points (deduct 5 points for each infraction)	No. of Infractions	
Safety: Product demonstration officials may deduct points for safety violations. Minor violations are a 5 point penalty. Major violations may be 10 or more points. Product demonstration officials may also disqualify a company for extreme safety violations. Note: An official's decision to disqualify a company due to safety concerns is final. If there is a safety concern, please contact the lead safety inspector or competition coordinator.		
Tether Pulling: Company members cannot pull on the tether to assist in moving or turning the vehicle. Judges should issue a warning for the first infraction and begin deducting points AFTER the first infraction.	a	
Debris : Companies that leave debris (e.g. parts of their ROV, including weights and flotation) in the pool at the end of the product demonstration time, or leave debris that a diver must retrieve will receive penalty points. Product demonstration props are NOT considered debris. A company constructed collection basket is considered debris if it is still in the water, not under control of the ROV, when product demonstration time ends.	С	
Diver Assistance: Any diver assistance (if available) must be requested by the company and will		
result in a 5 point penalty. The clock does not stop during diver assistance.	d (total a + b + c + d) plus safety	Total
Total Penalty Points	violations X 5 =	Total
TIME BONUS (1 point for every minute and 0.01 point for every second under 15 minutes) Duration of Product Demonstration: Minutes under 15 remaining: X 1 point = Seconds remaining: X 0.01 point =	Time bonus	Total
	-	Grand Tota
TOTAL PRODUCT DEMONSTRATION SCORE		
Official's initials:	Company CEO's initials:	<u></u>

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