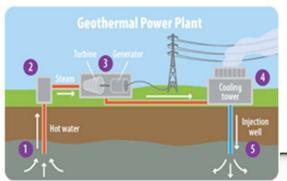
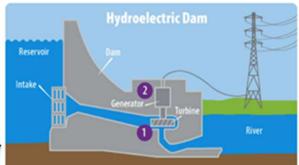


Moreover once installed, TISEC will generate no costs for fuels like it is the case for coal or oil.

This makes them independent from future energy price increases and guarantees a long-term investment.





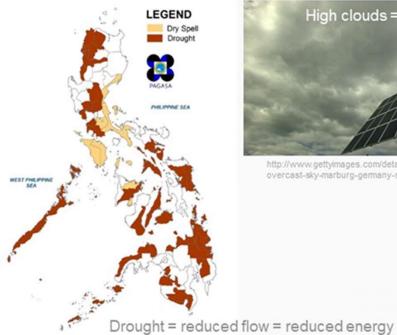




In fact, TISEC is even better since changes in weather and climate do not impact tidal currents unlike wind, solar and even hydroelectricity.

TISEC is therefore

climate-proofed



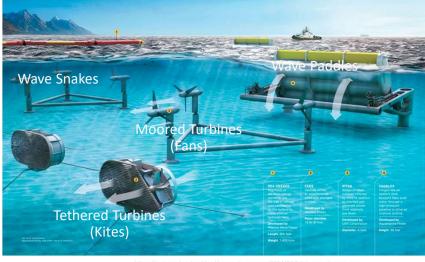


LTDavid

Ocean Energy Conversion

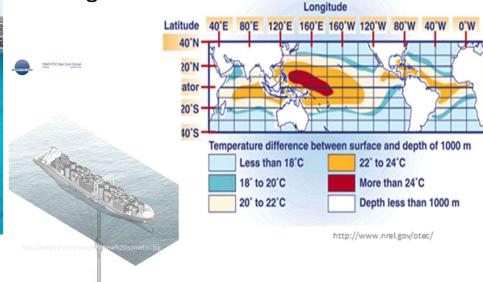
Mechanical and Gravitational energy Capture

- Wave
- Current



Gradient

- Salinity Gradient
- Thermal Gradient
 - OTEC -Thermal
 Gradient between
 surface and depth of
 1000m to be equal or
 greater than 20°C



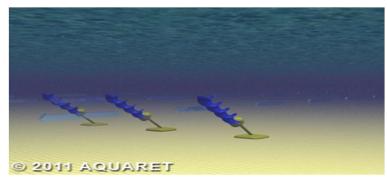




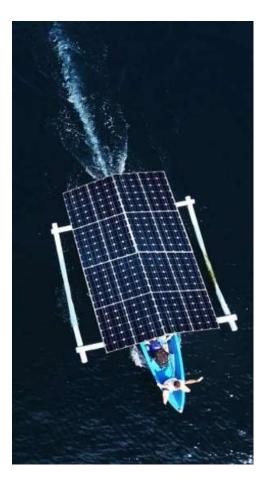


DECREASE RELIANCE ON FOSSIL FUEL

GREEN ENERGY PRODUCTION



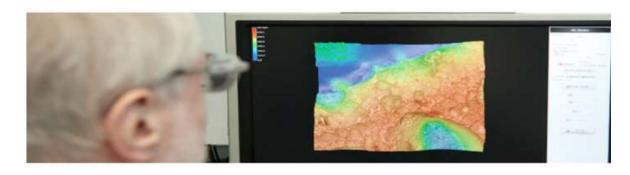




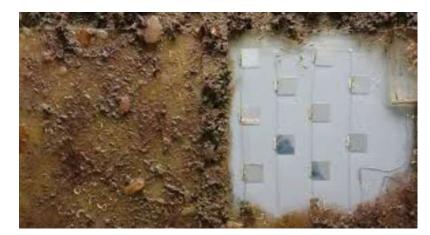




Corrosion Testing



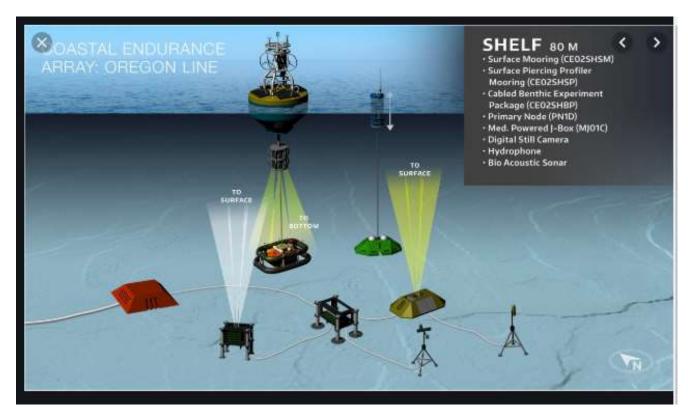
Anti-Biofouling







Remote Monitoring Devices & Underwater Communication







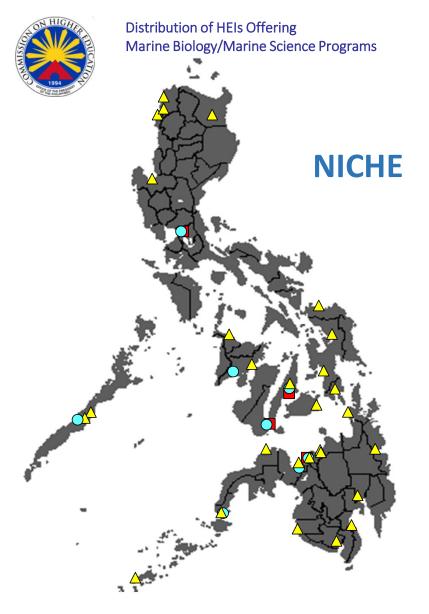
AND TECHNOLOGIES

Optional Cover Pumped Water In Vortex Solid Tank Wall Waste Out Pumped Water In

Deep-water Closed System Mariculture







	Type	Reg INSTITUTION	BS	MS	PhD
1	SUC	1 Univ Northern Phils	1		
2	SUC	1 MMSU-Currimao	1		2.1
3	SUC	1 MMSU-Dingras	1		
4	SUC	1 PSU-Binmaley	1		
5	SUC	2 Cagayan State Univ	1		
6	SUC	4A Palawan State Univ	1		
7	SUC	4A PSU-Rizal	1		
8	SUC	4B Western Phil Univ	1	1	
9	SUC	6 Aklan State Univ	1		
10	SUC	6 Iloilo State College of Fisheries	1		
11	SUC	6 Univ of the Phil-Visayas		1	
12	Pri	7 Univ of San Carlos	1	1	1
13	SUC	7 Bohol Island State University - Candijay	1		
14	Pri	7 Silliman Univ		1	1
15	SUC	8 Samar State University - Mercedes	1		
16	SUC	8 Southern Leyte State University-Bontoc	1		
17	SUC	8 University of Eastern Philippines	1		
18	SUC	8 Visayas State University	1		
19	SUC	9 Zamboanga State College of Marine Science and Tech	1	1	
20	SUC	9 Jose Rizal Mem State Univ	1		
21	SUC	9 MSU-Tawi-Tawi	1	4	<u>salan</u>
22	SUC	10 MSU-Iligan Inst of Tech	1	1	4
23	SUC	10 Mindanao State Univ at Naawan	1	1	1
24	Pri	10 Xavier Univ	1		
25	SUC SUC	10 USTSP-Panaon 11 Southern Phil Agri. Pugg and Marina and Aquatic School Of Tochnology.	1 1		
26		11 Southern Phil Agri- Buss and Marine and Aquatic School Of Technology			
27	SUC	11 Davao Del Norte State Coll	1		
28	SUC	12 MSU-General Santos	1		
29	SUC	12 Sultan Kudarat State University - Kalamansig	1		
30	SUC	CAR Surigao Del Sur State University - Lianga	1		
31	SUC	CAR Surigao State College of Technology - Malimono	1		
32	SUC	NCR Univ of the Phil-Diliman		3	3
		TOTAL PROGRAMS	29	10	6

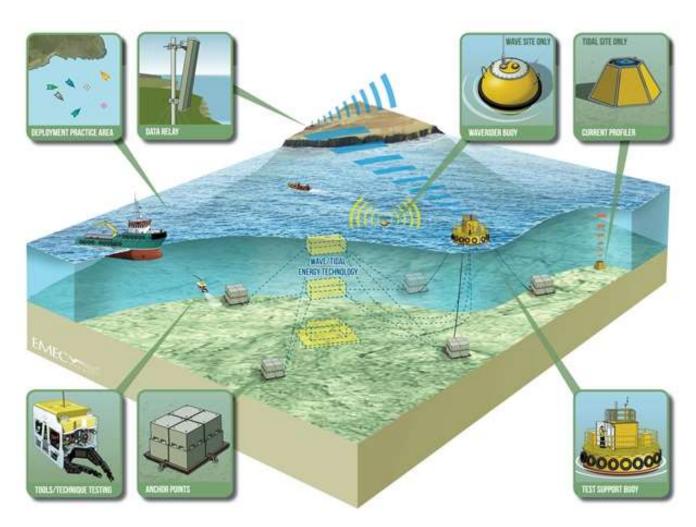
Marine Innovative Technology Testing Center

Marine Biotech/Chemistry labs

Biodiversity research museums

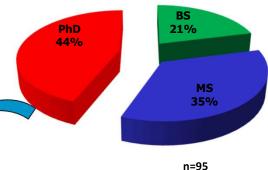
Macrocosm tank laboratories

Marine Technology Testing Center

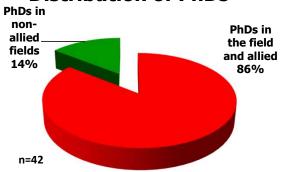








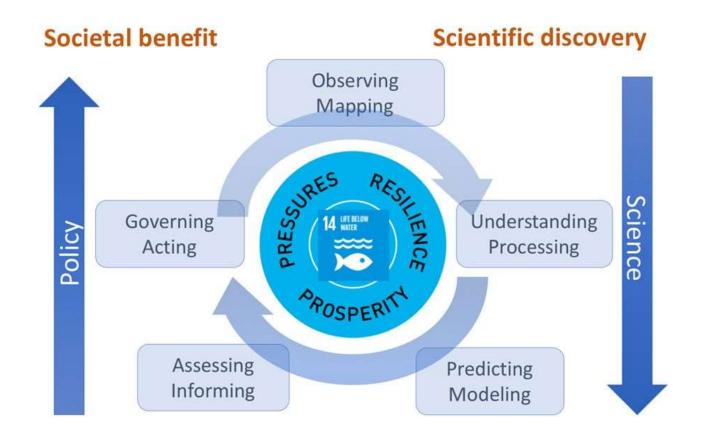
Distribution of PhDs



Note: Total Faculty Data obtained from 10 HEIs only.

➤ faculty profile enhancement and availability of positions for returning

		1	3			1	
Asst. Prof. II	16	Master's Degree	4 years of relevant experience + VS Performance Rating	20 hours of relevant training	- Local -Unpublished Research -Action/ Applied Research in Any Discip- Line	- Outreach Program - Participative	None required; RA 1080 (for courses requiring BAR or BOARD eligibility)
Associate Professor I	19	MA	5 years of relevant experience + VS Performance Rating	30 hours of relevant training	Community- Based Action Research Published Research	Civic Welfare Service	None required; RA 1080 (for courses requiring BAR or BOARD eligibility)
Professor I	24	Doctoral Degree	8 years of relevant experience + VS Performance Rating	40 hours of relevant training	Scientific, Educational, Technical, Technological Research	Significant Contribution to Community Development	None required; RA 1080 (for courses requiring BAR or BOARD eligibility)



M. Visbeck. Nature Communications Volume 9, Article number: 690 (2018)

