2025 Net Zero Tech International Contest @Taiwan International Contest Winners

獎 項	獎金(USD)	編號	作品名稱	學 校	科 系		成員姓名	
40%	33,300		Development of an Integrated System for Catalysts and Electrolysis Equipment	National Central University (Taiwan)	Graduate Institute of Materials Science & Engineering	Advisor	洪緯璿	
Champion		100				Leader	邱奕嘉	
LITEON Bright Future	(NTD 1,000,000)	INTL				Gh.	黃柏叡	
Award	(1410 1,000,000)	13			Graduate College of Sustainability and Green Energy	Member	李昀霖	
						MEITIDEI	黃宇祐	
					Green Energy		陳佳謙	
W		07	Toward Carbon Neutral Energy Storage: Green Modification of VRFB Electrodes via Atmospheric Pressure Plasma Jet Deposited Bimetallic Oxides	National Taiwan University of Science and Technology (Taiwan)	Mechanical Engineering	– Advisor	Yu-Lin Kuo	
	11				Materials Engineering		Chen-Hao Wang	
-				Yuan Ze University (Taiwan)	Mechanical Engineering		Song-Yu Chen	
First Runner-Up Paujar Net-Zero Technology Award	20,000 (NTD 600,000)			Ming Chi University of Technology (Taiwan)	Materials Engineering		Ting-Yu Liu	
				National Taiwan University of Science and Technology (Taiwan)	Mechanical Engineering / Materials Engineering	Leader	Ahmad Nur Riza	
10					Mechanical Engineering	Member	Melky Natanael	
				Ming Chi University of Technology (Taiwan)	Materials Engineering		Ni Putu Devi Kristina	
Second Runner-Up Paujar Green Innovation Award		INTL 04	LiMn a Colorful commuNity	All District		Advisor	Han-Yi Chen	
	40.000			National Tsing Hua	Department of Materials Science and	Leader Member	Hsin-Fang Chang	
	13,300 (NTD 400,000)			University (Taiwan)	Engineering		Yu-Ming Pan	
							Quang Luan Le	
innovation Award					Interdisciplinary Program of Engineering		Min-Hua Chang	
VAR A	(69)				International Intercollegiate Ph.D. Program		Jin-Luh Mou	

獎 項	獎金(USD)	編號	作品名稱	學 校	科 系	成員姓名	
CPC Corporation,	6,600 (NTD 200,000)	INTL 06	Using Trapa Natans Husks, coffee- Waste and bamboo chopsticks Derived Activated Carbon as Electrode Materials to Enhance the Power Output of Microbial and Plant Microbial Fuel Cells	University (Taiwan)	Department of Materials Science and Engineering	Advisor	陳翰儀
						Leader	蘇姮侒
Taiwan							林軒岑
Smart Energy Award						Member	胡琇婷
Smart Energy Award					Interdisciplinary Program of Life Sciences and Medicine	Member	蔡佳霓
NTU-AIAD, Advanced			From Greenhouse Gases to Green	1/1/	A Grant Control	Advisor	Moo Been Chang
Net Zero Emission	6,600	INTL	Fuels: Plasma-Catalytic DRM for	National Central	Graduate Institute of Environmental	Leader	Amir Machmud
Technology Award	(NTD 200,000)		Closed-Carbon-Cycle Liquid Production	University (Taiwan)	Engineering	Member	Jo Chen Hsu
recimiology / mara						Member	Heng-Wei Huang
De 1867	3,300 (NTD 100,000)	INTL 11	Purification Device Based on Vapor	r National Taiwan r University (Taiwan)	Chemical Engineering	Advisor	陳賢燁
						Leader	Ramli Theresia Cecylia
Advanced Green						Member	胡書嫚
Energy Award							李沁芸
-							張育銘
							石瀅瑄
							陳眉妤
			Elementrailer	All John	Materials Science & Engineering	Advisor	Jun Liu
				University of Washington (USA)	Foster School of Business	Leader	Hongjiang Lin
Nan Pao Resins Zero Carbon Vanguard Award	3,300 (NTD 100,000)					Member	Julisa Cruz
					Environmental Science		Lillian Mitchell
					Electrical Engineering		Bernardo Lin
					William E Boeing Department of Aeronautics and Astronautics		Gaurav Joshi

2025 Net Zero Tech International Contest @Taiwan International Contest Excellence

獎 項	獎金(USD)	編號	作品名稱	學 校	科 系	成員姓名	
Excellence			Transforming Waste to Worth: Carbon Capture and Utilization to produce Eco-friendly Bio-lubricant	National Cheng Kung University (Taiwan<u>)</u>	Biomedical Engineering	· -	Yeau-Ren Jeng
					Chemical Engineering		Grace, I-Son Ng
	1,600	INTL 01			Engineering Science		Chi-Hua Yu
	(NTD 50,000)				Biomedical Engineering	Leader	Sai Bhavani Sravan Metla
	- (Chemical Engineering	Member	Priskila Adjani Diankristanti
. 0					Engineering Science		Muhammad Firman Friyadi
JENO -		INTL 02	fuels in Taiwan	National Cheng Kung	Department of Chemical Engineering	Advisor	吳 煒
				University (Taiwan)	Department of Aeronautics and Astronautics	Advisor	王偉成
Excellence	1,600			National Sun Yat-sen University (Taiwan)	Department of Mechanical and Electromechanical Engineering	Leader	Nugroho Rusdan Aditya Aji
Excellence	(NTD 50,000)				Department of Chemical Engineering	Member	Mazumdar Debayan
Caralline of	(112 33,333)			National Cheng Kung University (Taiwan)			劉諒宇
							林柏龍
- N					Department of Aeronautics and Astronautics		黃俊揚
					International Degree Program on Energy Engineering		Talitha Philofia Sopandi
	1,600 (NTD 50,000)	INTL 03		The Hong Kong	Department of Mechanical Engineering	Advisor	AN LIANG
			Development of a smart mini-grid			Leader	HUO XIAOYU
Excellence			system for renewable energy storage and utilization	Polytechnic		Member	BAI YURAN
7.2				University (Hong Kong)			FU ENKANG
							LONG XIN
Process of the Party of the Par			The Flux: Sustainable Shearing Layer and Pisé Block onstruction Method	10	Architecture	Advisor	Miktha Farid Alkadri
							Ova Candra Dewi
					Mechanical Engineering		Ardiyansyah
9							Arnas Lubis
Excellence	1,600 (NTD 50,000)	INTL 05		Universitas Indonesia (Indonesia)	Architecture Metallurgical & Materials Engineering	Leader	Vine Novia Pakpahan
						Member	Syahlaisa Afra Amani
							Luqman Kamaludin
							Tabita Essela Pebriana
							Simanjuntak
					Civil Engineering		Juan Valensi Ridwan Ramadhan

獎 項	獎金(USD)	編號	作品名稱	學 校	科 系		成員姓名
				University of Malaya (Malaysia)		Advisor	Wen Tong Chong
	1.600	INITI	An omni-directional augmented				Keen Kuan Kong Hanna Sofia SalehHudin
Excellence	(NTD 50,000)		cross-axis wind turbine		Department of Mechanical Engineering	Leader	Christopher Clement Rusli
	(1112 50,000)	00	Cross-axis wind turbine			Member	Flora Shuh Ching Ngu
							Izdihar Zahirah Ibrahim
			Lithium, From Trash to Treasure:	77 %		Advisor	Fu-Ming Wang
			Integrated Flow System for Scran	National Taiwan		Leader	Michelle Elaine
Excellence	1,600	INTL		University of Science	Graduate Institute of Applied Science and	Leader	Cai-Fang Wu
	(NTD 50,000)	10		and Technology	Technology	Member	Jayaraman Divyavalli
				(Taiwan)			Ulya Qonita
				4-		Advisor	Sean Wu-Yang
			Smart Pressure Control for		3	Leader	Mukhammad Jamaludin
Excellence	1,600			National Chung		Member	Isnaeni Nurjanah
Excellence	(NTD 50,000)		Desalination: Adaptive Modeling	Hsing University	Bio-Industrial Mechatronics Engineering		Yulian Fatkur Rohman
		12	and Wave Energy Boost for Net- Zero Water Systems	(Taiwan)			Akhmad Azhar Firdaus
		7.11					Muhammad Bilhaq Ashlah
							Anisa Fitri Santosa
41	-	W		National Cheng Kung University (Taiwan)	Department of Engineering Science	Advisor	黃朝偉
A						Leader	林鐸軒
Excellence	1,600	INTL	Green Butadiene: A Breakthrough			Member	劉羿群
LACEHETICE	(NTD 50,000)	14	in Bioethanol Conversion				黃煒倫
			Technology	Feng Chia University (Taiwan)	Department of Materials Science and Engineering		 黄鈺庭
7.7					Institute of Mechanics	Advisor	Andrei Holub
							Marat Dosaev
							Yuri Seliutskiy
		INTL					Liubov Klimina
	1,600				IRLC MSU		Mironyuk Olga
Excellence					Mechanic and Mathematics Faculty		Mikhail Garbuz
	(NTD 50,000)	15			Faculty of Space Research		Valerii Zudov
		9			Faculty of Economic		Daniil Dosaev
					· ·	Member	Marta Kruchinkina
					MSU Faculty of Computational Mathematics and Cybernetics		Lina Seliutskaia
					Mechanic and Mathematics Faculty		Ivan Alpatov

獎 項	獎金(USD)	編號	作品名稱	學 校	科 系	成員姓名					
Excellence	1,600 (NTD 50,000)	INTL	Self-Powered Peptide Sensor for Ethinylestradiol (EE2) detection: A Sustainable Platform for Water Quality Monitoring	National Taiwan University (Taiwan)	Department of Biomedical Engineering	Advisor Leader Member	Zong-Hong Lin Salini Ramesh Uday Singh Jaba Roy Chowdhury Bishal Kumar Nahak Abdullah Al-Kabbany				
Excellence	1,600 (NTD 50,000)	INTL 17	Development and Application of Inorganic Aqueous Radiative Cooling Coatings: A Sustainable Strategy Toward Net-Zero Carbon Emissions	, , ,	Department of Engineering Science Department of Chemical and Materials	Advisor Leader Member Member	黃朝偉 王鐸諭 陳明瑋 范心瑀 姚秀美				
	往		ETHISSIOTIS	(Taiwan) King Mongkut' s University of Technology Thonburi (KMUTT) (Thailand)	Engineering Department of Chemical Engineering	Member Advisor	州のg-Ming Ku Nonsee Nimitsiriwat				
Excellence	1,600 (NTD 50,000)	· · · · · · · · · · · · · · · · · · ·	INTL	INTL 19	INTL 19	INTL 19	Upcycling coal fly ash waste into ITL 3D-printed ceramic membranes for wastewater treatment and power generation.	National Taipei University of Technology (Taiwan)	Institute of Environmental Engineering and Management Environmental Engineering & Management	Leader	Shiao Shing Chen Bhanupriya Das MITHILESH PASAWAN YA-TING CHAN Ya-Ling Chiang Chanakan Sukmongkolwongs
E							127	King Mongkut's University of Technology Thonburi (KMUTT) (Thailand)	Member	Chinatip Suwantri Nittiya Ornwarn Urasaya Sawatdiwong Ekawang Arunvipada	
Excellentce	1,600 (NTD 50,000)	INTL 20	Integration of Innovative Coastal Wave Energy and Carbon-Negative Cement Materials with a	National Cheng Kung University (Taiwan)	Program on Smart and Sustainable Manufacturing Department Electrical Engineering Environmental Engineering	Advisor Leader	歐庭嘉 黃景政 戴安荻 劉迎逸				
	2		Supercapacitor Energy Storage System to Achieve Net-Zero Goals		Department of Aeronautics and Astronautics Program on Smart and Sustainable Manufacturing	Member	蘇暐哲羅昇宇				