



Bio-note of Dr. Emmanuel G. Moya, PE., MSc., PhD. - President/CEO and brief background of **Fluidyne International** and **Fluid Exponents Inc.** Websites: www.fluidynter.com and www.fluidExponents.com

Fluidyne Int'l Corporation and Fluid Exponents Inc develop, promote and distribute environmentally friendly products and technologies geared towards generating and conserving energy from renewable resources and recycling back for the good of the environment, further mitigating 'Climate Change'

Mission/Vision: "Earth Friendly Commitments"

We are committed to the preservation of the environment by reducing pollution, recycling resources and reusing by-products. We bring to market products, technologies and services that are safe and economical, preserves the environment and at the same time enhance our daily lives by reducing polluting contaminants in air, water and soil. We are developing technologies that can be brought to developing countries not only to sustain their environmental and clean energy needs but also create the local industry that improves people's livelihood.

Noel, as what he is called, is a seasoned Practising Electro-Mechanical and Systems Engineer with specialization in Micro-Biology and Environmental Sciences. In the last 50+ years, his practice covers Asia, USA, Canada, the Carribean, Latin America and Mexico. These are on top of other Far/Middle-East, Africa and 3rd World Developing Countries that he got assignment from UNDP/UNEP, CESO (Canadian Executive Service Org.) & OxFAM

With expertise and certifications in the field of Water/Wastewater Treatment, Advanced Desalination, Non-Chemical Process Water Treatment, Mine Tailings Remediation and Precious Metals Recovery, Hydraulics/Fluid Dynamics and Hydro-Geology, Applied Automotive SAE/ICE Sciences, Municipal Solid and Organic Waste-to-Energy, and Alternative Power Generation using Permanent Magnets and Storage Batteries/Magnetic Axial Flywheels. He is responsible in coining the words **Imagineering**, **Levitation velocentrifugation** and **Ferhumiligation** in his conceptualization of different technologies.

He is continuously doing R&D works on MagGen Power Generation, Extraction of Beta-Carotene, Ethanol and Alcohol from Cull Carrots, hybrid Sweet Potato and other Root Crops; Satellite Technology on Monitoring Watershed; Pollution Control and Improvement of Performance on Internal Combustion Engine by Fractional Hydrogen Injection; Eradication and Control of Legionnaire's Disease on Process Water; Covid-19 wastewater test protocol using RNA vs. DNA technology.

His works and research have won him several recognitions, awards and patents. His developed technologies were granted several Full Utility patents and publications that were eventually used by such companies like **Halliburton-Schlumberger** for Water/Gas/Oil Deep-well Drilling, **Frito-Lay** for filtration and treatment of Cooking Oil, **New York Water Maker** for replication of Known best water for Pizza and Bagel, **Cooling Tower Companies BAC, Marley and Evapco**, (in the process) for Integrated Non-Chemical Water Filtration and Treatment and **Siemens** (in the process) for Alternative Power Generation-MagGen, **Emterra Environmental** and **Wheelabrator, Cinergex and Convectra USA** for Waste-to-Energy.

1. Awarded **Outstanding Canadian** by the Outstanding Canadian Academy for Technology & Invention,
2. Awarded **Best 2021 R&D & Best 2022 Mid-size Project**, consecutively by Professional Engineers ON
3. Recipient of **2017 Engineering and Invention Award** by the Governor of New York for the Prevention & Control of Legionnaire's Disease w/ the design and patent of the Integrated Water Filtration
4. Recipient of **2003 California Environmental Award on Emerging Green Technology** for the R&D work on Permanent Magnet Motors, Flywheel Storage using Lithium-Ion Batteries, Solar & Wind Turbines.
5. Launched Nano-Toilets in parts of Africa, controlling spread of Cholera as UNDP Project in 2010, using combined Aerobic and Anaerobic Digestion of Human and Animal Fecal and Organic Waste, where captured Biogas is used for cooking and recycled water is for irrigation.
6. **Meritorious Performance Awards** from previous employers such as Ingersoll- Rand, Griswold Controls, Claude-Laval, and Emterra Environmental.

Pictures below show former DILG Secretary Engr. Jessie Robredo, a fellow Lion's receiving the donated 2 containers assorted medicines after the Typhoon Ondoy decimated the Philippines, The Nano Toilets technology transferred to Africa through UNDP, and The 2025 Outstanding Canadian Award from Prime Minister Mark Carney



**Toronto Filipino - Canadian Community
Champion Lions Club**



His continuous works, affiliation and volunteer consultancy with the UNDP/UNEP for Environmental Challenges (Nano Toilets in Africa), the US Army Corps of Engineers on Water Body issues, US & Canadian Navy, Coast guard and Marine Engine Mfrs. on Hydrogen injection on Internal Combustion Engine and Centre for Disease Control for Control and Eradication of Legionnaire's Disease/Covid 19 test protocol, is fuelling Noel to strive for more research development and learning. He has donated container load of Medicines to the Philippines during typhoons and calamities thru volunteer work with the Toronto Fil-Can Lions Club. Also volunteered his knowledge and experience to solve mine tailings issues with our First Nation and helped our farmers along Lake Simcoe and Holland Marsh in upgrading water treatment technologies in protecting Lake Simcoe and other nearby watersheds'

Still at the very ripe age of 72, he continuously learn and also imparts his knowledge in Environmental Engineering/Earth Sciences as Adjunct Professor at Columbia University, Pearce College and Univ. of Toronto to name a few. With technical contributions and active memberships at Engineering associations like ASME, ASHRAE, SME, WEFTEC and the Canadian Council of the Ministers of the Environment

Just recently, **Dr. Emmanuel 'Noel' Moya** was appointed as one of Volunteer Director- Advisers on Academic to Industry Collaboration, and moreover in guiding & improving the academic and hands-on

technical advancement of **Univ. of the Philippines, College of Agri-Engineering Technology, Department of Mechanical Engineering.**

"I find great solace to give, but also enjoys the pleasure of receiving recognition, for it enlightens the heart to give more"

**Technology and Innovation at the Research and Development Division
of RPG PlanetsWater®/PlanetsPower®**

"At the core of this initiative is a **proprietary, engineering-validated technology platform developed under the leadership of **Dr. Emmanuel G. Moya, PE, MSc, PhD**, President and Chief Executive Officer. Dr. Moya is a senior Filipino scientist and **licensed Professional Engineer**, referenced herein in accordance with applicable **federal pre-decisional and confidentiality protocols.**"**

