TRUC PHAM

Environmental & Sustainability Consultant

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SUMMARY

Environmental Consultant with 8 years of experience delivering Environmental & Social Impact Assessment (ESIA), Environmental & Social Due Diligence (ESDD), and climate-related advisory services (ESG baseline development, GHG inventories, and climate risk analysis) across renewable energy, power, manufacturing, and Merger & Acquisition transactions. Hands-on experience across Asia-Pacific markets, complemented by EU academic training in sustainable development. Proven track record supporting clients in alignment with IFC Performance Standards, ADB Safeguards, Equator Principles (EP4), and ISO frameworks.

PROFESSIONAL EXPERIENCE

Research Intern – Urban Transport & Carbon Accounting **Mar – May 2026**

Institute for Sustainable Development Foundation | Warsaw, Poland (hybrid)

- Assessed the carbon footprint of road and passenger traffic for a selected street in each of Warsaw, Poznań, Wrocław, and Kraków using carbon accounting, R programming, and GIS analysis.

Consulting Senior Associate – M&A (Mergers & Acquisitions) and CPD (Capital Project Delivery) Dept. **2021 – 2024**

ERM Vietnam | Ho Chi Minh City, Vietnam

- Delivered 15+ ESIA/ESMP projects for renewable energy (wind and solar farms) and thermal power developments, applying IFC Performance Standards and ADB Safeguard Policies.
- Supervised environmental fieldwork across water, soil, air, noise, and biodiversity settings, and authored the Environmental Baseline chapter covering climatic, hydrological, and topographical site conditions.
- Authored ESIA/ESMP chapters on surface water, groundwater, air, noise, and soil impacts; for wind projects, modelled ambient noise, shadow flicker, and visual amenity using WindPro, R, and GIS.
- Conducted EDD, ESDD, ESG DD, EHS DD, and ESAP across 7+ manufacturing-sector projects, benchmarking against ISO, IFC PS, ADB, and AIIB standards.
- Conducted site inspections, document reviews, and stakeholder interviews to assess environmental, social, governance, and HSE compliance risk; produced actionable mitigation reports that informed client investment decisions.
- Delivered sustainability advisory for 5+ clients: ESG baseline research (CSRD, ESRS, IFRS), GHG inventory and accounting framework development (GHG Protocol), and Climate Change Risk Assessments (TCFD).
- Recognized with the Global Safety Award by ERM Global (2021).

Environmental Engineer (Part-time) – R&D Department **2019 – 2020**

Kyowakiden Co., Ltd | Nagasaki Prefecture, Japan

- Conducted laboratory research on advanced materials for water and wastewater treatment, supporting R&D initiatives to improve environmental performance and treatment efficiency.

Risk / Safety and Environmental Consultant **2015 – 2018**

SEN Consulting Co., Ltd | Ho Chi Minh City, Vietnam

- Acted as Project Manager liaising with clients, managing safety workshops, and contributing to developing HAZOP, HAZID, SMP, QRA, and ERP studies for oil & gas onshore and offshore facilities.
- Advised clients on ISO 9001, ISO 14001, and OHSAS 18001 requirements and implementation.
- Delivered basic Risk Assessment training as a course trainer.

Research Assistant **2015**

Faculty of Environment and Natural Resources, Ho Chi Minh City University of Technology | Ho Chi Minh City, Vietnam

- Served as Secretariat for the 5th International Symposium on Environmental Analytical Chemistry (2017, with IAEAC) and the 4th Regional Conference in Membrane Technology (2014, with IWA).
- Co-authored a chapter in "Technical Terms for Water Engineering and Management" (Ho Chi Minh City National University Publisher; ISBN 978-604-73-1807-0).

Environmental Engineer **2013 – 2014**

Green Tech Environment JSC | Ho Chi Minh City, Vietnam

- Specialized in technical design and proposal development for MBR-based wastewater treatment systems for industrial applications.

KEY PROJECTS

E&S Impact Assessment & Management Plan

- ESHIA for Son My 2 — 3x750 MW gas-fired thermal power plant, Binh Thuan Province, Vietnam (AES Corporation).
- ESHIA for Bac Lieu 3200 MW LNG-to-Power project, Bac Lieu Province, Vietnam (Delta Offshore Energy).
- ESIA for Alpha and Beta Onshore Wind Power Projects, Vietnam (EDF Renouvelable Group, France).
- ESIA for Phu Cuong Soc Trang Offshore Wind Farm Phase 1A and 1B, Soc Trang Province, Vietnam (Mainstream Phu Cuong Co., Ltd).
- Baseline study of ESG standards and practices in the agribusiness sector across selected Asia-Pacific markets (IFC).

Due Diligence & Auditing

- ESDD, Energy Efficiency Platform, Singapore (2023).
- ESDD, coffee farm and supply chain, Southern Vietnam (2023).
- ESG DD, semiconductor manufacturing, Bac Giang Province, Vietnam (2023).
- EHSDD, plastic manufacturing plant, Bac Ninh Province, Vietnam (2023).

EDUCATION

MSc in Sustainable Development – Graduated with Distinction (GPA: 4.86/5) **2024 – 2026**
University Center for Environmental and Sustainable Development Research, University of Warsaw | Warsaw, Poland

MEng in Water and Environmental Engineering **2018 – 2020**
Nagasaki University | Nagasaki Prefecture, Japan

BEng in Environmental Engineering Technology **2008 – 2013**
Faculty of Environment and Natural Resources, Ho Chi Minh City University of Technology, Vietnam National University | Ho Chi Minh City, Vietnam

PUBLICATIONS

- Megiel, E., **Pham, H.T.** "Polymer-Based Advanced Catalytic Systems for the Thermal Conversion of CO_2 into Five-Membered Cyclic Organic Carbonates: A Comprehensive Review." *Journal of CO_2 Utilization*. Manuscript submitted and under revision, 2026.
- Megiel, E., Wasiluk, K., Kopacka, G., **Pham, H.T.**, Gungor, S. "Sustainable Catalytic Conversion of CO_2 to Cyclic Organic Carbonates Using Hybrid Nanomaterials." Conference presentation, 2026.
- **Pham, H.T.** (2025). "Rooftop Solar Power Systems, Vietnam." In: Citizen Energy Models: Insights from Case Studies across Urban and Rural Areas in Australia, New Zealand, Taiwan, Vietnam, India, Turkey, Ethiopia, Zambia, Brazil, Chile, Argentina, United States, and Canada (Ed. Pusz, M). University Centre for Environmental Studies and Sustainable Development, University of Warsaw. ISBN 978-83-976197-0-8.
- **Pham, H.T.**, Thai, M.Q., Nguyen, T.T., et al. (2014). "Study on Application of Advanced Oxidation Processes on COD and Colour Removal in Industrial Secondary Effluent." Journal of Vietnam Academy of Science and Technology, 52(3A), 12–18. ISSN 0866-708X.
- Thai, M.Q., Pham, T.Q., Bui, X.T., **Pham, H.T.**, et al. (2015). "Comparison of Hollow Fibre and Flat Sheet Submerged Membrane Bioreactor Treating Hospital Wastewater." Journal of Vietnam Academy of Science and Technology, 53(3A), 13–18. ISSN 0866-708X.

SKILLS & ADDITIONAL INFORMATION

Technical: R (data pipelines), GIS, WindPro (noise and shadow flicker modelling), AutoCAD 2D/3D, Data visualization.

Languages: Vietnamese (Native), English (Fluent – IELTS 7.0, TOEIC 805/990), Japanese (Elementary).

Laboratory: Carbon Capture and Storage (CCS) (material synthesis, UV-Vis, SEM, GC) | Water Quality Analysis (pH, DO, SS, BOD, COD, oil content) | Microbial enumeration techniques (culture-based/plate count method, microscopy-based method, flow cytometry method).

Honours: Certificates of Merit for Academic Excellence, Embassy of Vietnam in Poland (2024 – 2026); Global Safety Award, ERM Global (2021); Monbukagakusho Honours Scholarship, JASSO Japan (2018 – 2020); Full Master's Scholarship, Nagasaki University (2018 – 2020).