

Curriculum Vitae

**Roger deLacy Carrington, B.Sc., M.Sc., R.ENG.**

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Port of Spain, Trinidad & Tobago  
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Nationality: Trinidad & Tobago/Jamaica

**PROFESSIONAL DESIGNATION:**

*Industrial Engineer/ Project Manager/ Environmental Management & Policy Specialist*

**SPECIAL AREAS OF EXPERTISE**

*Project/Programme Management  
Environmental Management and Policy  
Dispute Mediation  
Product Design for the Environment (DFE)*

*Facilities Management  
Tendering and Procurement  
Plant Layout and Equipment Selection*

**SUMMARY**

With a diverse background, I am a senior professional with 20+ years' of experience and an impressive educational background. I have a proven track record in generating cost-savings and profits in SME industries and am reputed for the integrity, dynamism and creativity I inject into my undertakings. My cross-functionality allows me to analyse complex scenarios accurately. I communicate effectively with technical, managerial and political stakeholders at all levels and quickly formulate holistic, win-win solutions.

Having worked and lived in the United States of America, Scandinavia, the Caribbean, and Southern Africa, my international experiences and cultural sensitivities give me an added edge in stimulating innovation and motivating action from my teams. A Registered (Professional) Industrial Engineer, I have also distinguished myself in diplomacy as a professional in an International Organisation and as a judge at the environmental court of Trinidad and Tobago for several years.

My education is first-rate, attaining my Bachelor of Science in Industrial Engineering with Honours from the University of the West Indies, I then won a full scholarship and completed my Master of Science in Environmental Management and Policy from the most prestigious Lund University, Sweden, the premiere institution in this field, and I continue to update my knowledge base and presently pursuing my MBA at the prestigious Arthur Lok Jack Graduate School of Business.

These, together with my integrity and fair, straightforward work ethic, enables me to yield excellent execution, operational excellence and bottom-line results.

**EMPLOYMENT EXPERIENCE**

University of Trinidad & Tobago, O'Meara Campus, Arima  
Centre for Production Systems

May 2006 – April 2013

**SENIOR INSTRUCTOR**

- B.A.Sc, M.Eng Common Year 1 Programme Coordinator (2012 - 2013);
- B.A.Sc, M.Eng Manufacturing Engineering Year 2 Coordinator (2010 – 2012);
- Lecturer in Organisational Environmental Management, in the MSc Environmental Science and Management Programme; Science of Materials, Manufacturing Processes and Project Management for the B.Sc, M.Eng Programme in Manufacturing, Petroleum and Utilities Engineering, B.Eng Applied Petroleum Technology and MET Process and Utilities;
- Company project development/coordination/tutor and instructor for the MSc Programme in Industrial Innovation, Entrepreneurship & Management (IEM) (Programme adapted from Cambridge University).

**The Environmental Commission of Trinidad and Tobago**  
**Cor. New and St Vincent Streets, Port of Spain**

**January 2007 – January 2013**

**MEMBER (Judge)**

- *Established under the Environmental Management Act of 2000, The Commission is a Superior Court of Record (equivalent to the High Court) and has jurisdiction to hear, inter alia, appeals from decisions or actions of the Environmental Management Authority, and applications by the public or the EMA for enforcement;*
- *Member of the Tribunal: heard and determined matters brought before the Court;*
- *Mediator: Assisted parties to reach consensus on matters brought before the Court and then entered as Consent Orders of the Court.*

**Department of Water Affairs**  
**Private Bag 0029, Gaborone, Republic of Botswana.**

**August 2000 – November 2005**

**POLLUTION EXPERT**

- *Professional/Technical advice to the Water Apportionment Board on pollution prevention issues for new and existing developments, projects and facilities including large dams, industrial developments and land developments;*
- *Resource person to other Government Departments on Environmental Issues directly affecting their operations and projects juxtaposing the DWA's concerns to harmonise sustainable development;*
- *Technical input to the Pollution Unit in the Water Quality & Conservation Division, specifically related to the protection of groundwater and surface water reserves from anthropogenic activities;*
- *Technical input in the area of wastewater management and permitting programmes;*
- *Head Pollution Control and Monitoring Unit;*
- *Industrial and Municipal wastewater treatment facility inspections.*

**Association of Caribbean States (ACS) Secretariat**  
**5-7 Sweet Briar Road, Briar Court, St. Clair, Port of Spain, Trinidad.**

**August 1999 – July 2000**

**JUNIOR PROFESSIONAL (International Staff), (Environment, Natural Resources, Natural Disasters & Transport)**

- *Liaising with counterpart professionals of the Member States and Territories and International Organisations on the development and implementation of ACS policies and programmes;*
- *Technical and Policy input to the Director in charge of Environment, Natural Resources & Transport to implement the programmes of the ACS;*
- *Convening and attending relevant meetings of stakeholders and experts to achieve the above; and*
- *Officer in Charge of Secretariat: Dec 9<sup>th</sup> – 16<sup>th</sup>, 21<sup>st</sup> – 27<sup>th</sup>, Dec. 29<sup>th</sup> – Jan 10<sup>th</sup> 2000.*

**EPAS Consultants (a Division of Waste Disposals Ltd.)**  
**9 Concessions Road, Sea Lots, Port of Spain, Trinidad.**

**Sept 1998 - July 1999**

**ASSISTANT MANAGER**

- *Project Management for the EPAS Division;*
- *Environmental Management and Policy Consultant;*
- *Performed Environmental Audit on Decommissioned Nucor Iron Carbide Plant, Pt Lisas;*
- *Project Manager -- Effluent, Groundwater and Potable Water monitoring at Shell Trinidad Limited, Pt Lisas;*
- *Project Manager -- Environmental Impact and Risk Assessment for Over-the-Wharf Bunkering Facility, Point Lisas Port;*
- *Team Member -- Environmental Baseline Study, Trinidad Cement Limited, Claxton Bay;*
- *Team Member -- Environmental Baseline Study of Point Lisas, Chaguaramas, and South West Tobago;*
- *Town and Country Planning Division, Ministry of Planning and Development;*
- *Local Co-ordinator -- Feasibility Study for Cultural Theme Park; Tourism & Industrial Development Company (TIDCO).*

**Atlantic LNG Company of Trinidad and Tobago,**  
**Post Oak Boulevard, Houston, Texas, USA.**

**Nov. 1997 – Sep. 1998**

Technology Transfer Programme – Environmental Specialist (Energy Sector and Heavy Industry focus)  
**PCS (Potash Corporation of Saskatchewan) Nitrogen Trinidad Limited** May – Nov. 1997  
**Atlantic Avenue, Point Lisas Industrial Estate, Couva, Trinidad.**  
**INDUSTRIAL ENGINEER** – HS&E Dep. and Office of the Deputy Managing Director.  
*Root Cause Analysis, Environmental Management System Installation for an 1800 tonne per day Urea, two 1500 tpd Ammonia and one 750 tpd Ammonia plants.*

**Caribbean Industrial Research Institute (CARIRI),** 1987 – 1995  
**U.W.I. St. Augustine, Trinidad.**

**INDUSTRIAL ENGINEER**

**Dec. 1990 – July 1995**

- *Tendering and Procurement of equipment and consultancy services according to World Bank Guidelines;*
- *Performed an audit on all CARIRI Laboratories to ascertain level of compliance with ISO Guide 25;*
- *In charge of an in-house machine shop - work assignments, scheduling, costing;*
- *Member of implementation team for World Bank project for Industrial Restructuring & Development in Trinidad and Tobago (US \$3.4 Million);*
- *Attached to the Machinery Development Group (Research & Development Unit), assisting with Manufacturing Systems for CARIRI designed equipment;*
- *Responsible for all Facilities Management and Maintenance activities at CARIRI's two locations, including Contracted services and an in-house maintenance team;*
- *I.E. services to the Computing Unit on an ongoing basis.*

**RESEARCH ASSISTANT**

**Oct. 1987 – Dec. 1990**

- *Operations Research (O.R.) Scientist (acting);*
- *Performed system analysis at CARIRI resulting in a total re-organisation of Organogram and Procedures;*
- *Plant Engineer at O'Meara fruit Processing Plant;*
- *Feasibility Studies and Bankable Proposals;*
- *Development of a Manufacturing Facility for prefabricated Privies (Pan-American Health Organisation);*
- *Layout of Pigeon Pea processing plant - Tobago;*
- *Implementation Team Member - Systems Audit at a local tyre manufacturer.*

## **PROFESSIONAL ASSOCIATIONS/ACHIEVEMENTS**

**Certified Associate in Project Management (CAPM)**

*Presently preparing for Examinations*

**Member of the National Disaster Risk Reduction Sub-Committee of the** November 2011 – April 2013  
**Office of Disaster Preparedness and Management (ODPM), a Division of the Ministry of National Security**

**Member of both the National Technical Committee and** July 2010 – April 2013  
**Mirror Committee for Environmental Management at the Trinidad and Tobago Bureau of Standards (TTBS)**

**Member of The Environmental Commission of Trinidad and Tobago** January 2007 – January 2013

**Trinidad & Tobago Board of Engineering** 14<sup>th</sup> February 1995  
*Registered Industrial Engineer – License No. 09-486*

## **SPECIAL SKILLS AND TRAINING**

**Qualified Mediator**

**Military Training**

*Trinidad & Tobago Regiment, Tetrion Barracks, Chaguaramas. Six months Commissioned Officer's Training. Holder of a Presidential Commission in the Trinidad and Tobago Cadet Force.*

## **EDUCATION & TRAINING**

<b>Arthur Lok Jack Graduate School of Business</b> <b>Max Richards Drive, Mt Hope, Trinidad.</b> <i>International Masters of Business Management (IMBA)</i>	<b>January 2015 - Present</b>
<b>Arthur Lok Jack Graduate School of Business</b> <b>Max Richards Drive, Mt Hope, Trinidad.</b> <i>Core Competencies in Facility Management</i>	<b>October 2014</b>
<b>Vermont Law School,</b> <b>South Royalton, Vermont, USA</b> <i>Mediation of Land Use, Water and Marine Resource Issues</i> <i>Environmental Justice</i>	<b>August 2008</b> <b>July 2007</b>
<b>The Dispute Resolution Centre of Trinidad and Tobago</b> <b>NS&amp;J Advisory Group, Washington, DC</b> <i>40 Hour Mediation and 24 Hour Advanced Mediation</i>	<b>January 2008</b> <b>March 2007</b>
<b>International Institute for Industrial Environmental Economics (IIIEE),</b> <b>Lund University, Lund, Sweden (<a href="http://www.lu.se/IIIEE/hp">http://www.lu.se/IIIEE/hp</a>).</b> <i>M.Sc. – Environmental Management and Policy</i>	<b>1995 - 1996</b>
<b>The Chartered Institute of Management Accountants (CIMA), UK.</b> <i>Stage 1 and Stage 2</i>	<b>1994</b>
<b>Stebbing and Partners International (UK)/Institute of Quality Assurance, (UK)</b> <i>Internal Auditing of Quality Systems</i>	<b>1994</b>
<b>The University of the West Indies (UWI), School of Continuing Studies</b> <i>Speech Dynamics</i>	<b>1992</b>
<b>National Institute of Higher Education, Research, Science, and Technology (NIHERST)</b> <b>&amp; The National Safety Council, Port of Spain, Trinidad</b> <i>Certificate in Occupational Safety and Health</i>	<b>1989 – 1990</b>
<b>The University of The West Indies (UWI), Faculty of Engineering,</b> <b>St. Augustine, Trinidad.</b> <i>B.Sc. (Honours) – Industrial Engineering</i>	<b>1984 – 1987</b>
<b><u>SEMINARS/WORKSHOPS</u></b>	
<b>Caribbean Association of Judicial Officers (CAJO)</b> <b>The Colonial Hilton, Nassau, Bahamas</b>	<b>October 6<sup>th</sup> – 8<sup>th</sup> 2011</b>
<b>The Caribbean Law Institute Centre</b> <b>Inaugural Symposium “Current Developments in Caribbean Community Law”</b> <b>Hyatt Regency Trinidad</b>	<b>November 9 – 11<sup>th</sup> 2009</b>
<b>Caribbean Association of Judicial Officers (CAJO)</b> <b>Hyatt Regency, Port of Spain, Trinidad</b> <i>Session Chairman: Expertise and Common Sense: the participation of non-lawyers in adjudications</i>	<b>June 25 – 27<sup>th</sup> 2009</b>
<b>Marcus Evans Conferences</b> <b>Vineyard Hotel, Cape Town, South Africa</b>	<b>July 2004</b>

*Best Environmental Practices*

<b>Department of Mines/Norwegian pollution Control Authority</b> <b>President Hotel, Botswana</b> <i>Industrial Pollution Prevention. Regional Seminar on Initiatives in Pollution Prevention</i>	<b>February 2001</b>
<b>World Intellectual Property Organisation/ Ministry of the Attorney General</b> <b>Trinidad Hilton.</b> <i>Regional Seminar on the Patent Co-operation Treaty (PCT) for Caribbean Countries.</i>	<b>Jan. 2000</b>
<b>Caribbean Development Bank</b> <b>St Michael, Barbados.</b> <i>Procedures for Selection and Engagement of Consultants by Recipients of CDB Financing.</i>	<b>April 1999</b>
<b>Arthur D. Little</b> <b>Cambridge, Massachusetts.</b> <i>Environmental, Health and Safety Auditing.</i>	<b>June 1998</b>
<b>Arthur D. Little</b> <b>New Orleans, Louisiana.</b> <i>New Generation Environmental and Safety Management.</i>	<b>May 1998</b>
<b>American Institute of Chemical Engineers (AIChE)</b> <b>Denver, Colorado.</b> <i>Industrial Applications of Absorption, Stripping &amp; Distillation for Environmental Control.</i>	<b>April 1998</b>
<b>AMOCO Exploration &amp; Production Technology Training Inc.,</b> <b>P.O. Box 3092, Houston TX 77253-3092</b> <i>Risk Assessment and Management - B122</i>	<b>April 1998</b>
<b>Environmental Resource Management (ERM) New England Inc.</b> <b>399 Boylston Street, 6<sup>th</sup> Floor, Boston, MA 02116</b> <i>Remediation Technology, Environmental Impact Assessment, Regulatory Negotiations, Environmental Risk Assessment, ISO 14000 Implementation.</i>	<b>Feb. - Mar. 1998</b>
<b>AMOCO Exploration &amp; Production Technology Training Inc.,</b> <b>P.O. Box 3092, Houston TX 77253-3092</b> <i>Petroleum Industry Overview – A100</i>	<b>Feb. 1998</b>
<b>QUEST Consultants Inc.,</b> <b>Norman, Oklahoma</b> <i>Process Hazard Analysis (HAZOP)</i>	<b>Jan. 1998</b>
<b>Environmental Resource Management (ERM) Southwest Inc.</b> <b>16300 Katy Freeway, Suite 300, Houston TX 77094-1611</b> <i>Air Pollution Control &amp; Monitoring (One week attachment)</i>	<b>Jan. 1998</b>
<b>Professional Seminars International, (a Div. Of Tillman Enterprises) Inc.</b> <b>P.O. Box 156, Orange Texas 77630</b> <i>Process Plant Start-Up</i>	<b>Dec.1997</b>
<b>Apollo Associated Services</b> <b>Richland, Washington.</b> <i>Root Cause Analysis.</i>	<b>July 1997</b>

- [Redacted]
- Second European Round Table On Cleaner Production and Cleaner Products,** Nov. 1995  
Rotterdam, The Netherlands.
- Ministry of Planning and Development, Restructuring Support Unit (RSU), GORTT** Feb. – Mar. 1995  
*Management of Projects Funded by Multilateral Lending Agencies*
- Dalhousie University/Technical University of Nova Scotia (TUNS), et al.** Jan. 1995  
*Regional Workshop on Chemical Control and Waste Minimisation for the Management of Industrial Chemicals and Wastes in CARICOM States*
- The University of The West Indies (UWI)** March 1994  
*Occupational Hygiene*
- The University of The West Indies (UWI)/Technical University of Nova Scotia (TUNS).** May 1991  
*Industrial Ergonomics*
- Trinidad & Tobago Management Development Centre** Oct. 1990  
*Managing Industrial Health & Safety*

## **CONSULTING**

- The Water and Sewerage Authority of Trinidad and Tobago (WASA)** Sept. 1999  
**Farm Road, Valsayn, St Joseph, Trinidad.**  
*Independent study of the potential environmental impacts of a 48Mm<sup>3</sup>/day, US\$ 120M, Desalination/Reverse Osmosis Plant in Point Lisas, Trinidad. (Plant constructed and now operational)*
- DISTRIGAS of Massachusetts Corporation (CABOT L.N.G.)** July – Aug. 1998  
**Everett Marine Terminal, Boston, USA.**  
*Design of an Environmental Management System for one of the largest Liquefied Natural Gas receiving terminals in the United States of America to ISO 14001 standard.*
- Electrolux AB, Group Environmental Affairs,** Jun. – Sep. 1996  
**Corporate Headquarters, Stockholm, Sweden**  
*Development of a Recycling Value and Recycleability Index for product development in preparation for imminent Extended Producer Responsibility legislation, to be used by Electrolux and its subsidiaries worldwide (Electrolux turnover: US \$20 billion).*
- Lindvallen Ski Resort, Salen, Sweden** April 1996.  
*Environmental Review of operations at four Restaurants and Bars.*
- SAAB Automobile AB,** March 1996  
**Trollhattan, Sweden.**  
*Environment and Waste Reduction Review of the SAAB Model 900 and 9000 Automobile Assembly Plant.*
- The International Labour Organisation (ILO),** July 1995  
**Caribbean Headquarters, St. Clair Avenue, Port of Spain, Trinidad.**  
*Environment and the World of Work: Occupational Safety and Health Issues in the English Speaking Caribbean: Trinidad and Tobago*
- The International Labour Organisation (ILO),** May 1995  
*Inter-departmental Project on the Environment and the World of Work: Support for the Ratification and Implementation of ILO Standards in the Working Environment – Trinidad and Tobago Country Policy Paper.*
- The Pan American Health Organisation (PAHO),** Dec. 1994  
**N.W., Washington, D.C.**
- [Redacted]

Critical Review of Existing Low Cost and Least Cost Technologies in Trinidad and Tobago.

**National Agricultural Marketing & Development Corporation (NAMDEVCO),**  
**Plaza Aranguez, Port of Spain, Trinidad.**  
*Technical Feasibility of Pasteurised Milk Processing Facility*

1993

## **PUBLICATIONS**

**Carrington, R.**, "Global Climate Change and the ACS" *four page article, Business and Technology Supplement, Trinidad Guardian, November 24<sup>th</sup> 1999, and La Prensa Newspaper, Panama, December 12, 1999.*

**Carrington, R.**, "The Race to the Bottom". *News Bulletin of the Association of Caribbean States, Volume 3. No. 6.*

**Carrington, R.**, "Product Recycling Value and Recycleability Index for Product Development; Case Study at Electrolux AB". *International Institute for Industrial Environmental Economics.*

## **HOBBIES**

**Boating:** *I own a Monterey Cruiser motor yacht that I spend many hours enjoying;*

**Auto Mechanics:** *Avid amateur mechanic. Currently rebuilding and tuning a 1975 260Z 2+2 sports car from the ground up;*

**A good river "lime":** *Great "lime chef": curry goat, geera chicken liver, oil down, pelau, dumplings....*

## **REFERENCES**

**Mr David Tam**

*Project Manager*

*Atlantic LNG Company of Trinidad and Tobago Ltd*

*Voice: +(868) 648 2916 (office), + (868) 324 8341 (Mobile)*

*Email: [dtam@atlanticlng.com](mailto:dtam@atlanticlng.com)*

**Dr. Mary M. Matthews**

*Senior Consultant*

*445 Brookstone Dr., Athens GA 30605 USA*

*Voice: +1 706 621 7871*

*Email: [dr.mary.matthews@gmail.com](mailto:dr.mary.matthews@gmail.com)*

**Professor Valerie Stoute**

*Professor in Practice, School of Postgraduate Studies, Research & Development  
The University of Trinidad and Tobago, O'Meara Campus*

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*Email: [valerie.stoute@utt.edu.tt](mailto:valerie.stoute@utt.edu.tt)*

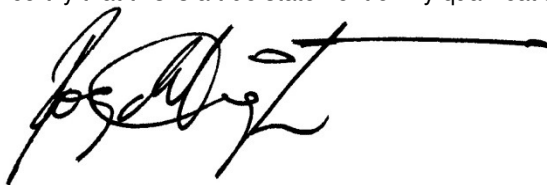
**Dr. Axel Kravatzky**

**Chairman & Principal Consultant, Syntegra Change Architects Ltd.**  
*14 Alcazar Street, Port of Spain, Trinidad W.I.*

*Voice: +1(868)221-5305 (Office), +1 (868) 684-9710 (Mobile)*

*Email: [axel.kravatzky@syntegrachange.com](mailto:axel.kravatzky@syntegrachange.com)*

I hereby certify that this is a true statement of my qualifications and experience.



March 2015