

# Nicola Davies

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## **CAREER SUMMARY**

Professional with more than 15 years' experience in environmental and social (E&S) consulting and risk management. Specific experience includes: Environmental and Social Impact Assessment (ESIA); preparation of Environmental and Social Management Plans (ESMP) and Environmental and Social Action Plans (ESAP); input into site selection and feasibility studies; and environmental, social and governance (ESG) risk appraisal. Extensive experience applying the ESG policies and frameworks of Equator Principles Financial Institutions and the environmental and social policies of international finance institutions and export credit agencies. Strength lies in working with investors, developers and utilities to identify environmental and social requirements, obligations and risks and collaborate to integrate climate resilient mitigation measures that are technically and economically viable now and in the future.

Specialties include: Project Management and delivery of Environmental Impact Assessment (EIA); Environmental and Social Impact Assessment (ESIA); Environmental and Social Management Plan's (ESMP); Environmental and Social Action Plan's (ESAP); Environmental Management Systems; Equator Principles; Sustainable financing; IFC Performance Standards; Independent Environmental Engineer; Environmental and Social Due Diligence (ESDD); Environmental, Social and Governance (ESG); emissions to air; stack emissions testing, quality assurance of continuous emissions monitoring equipment, climate change adaptation and resilience.

## **COUNTRY EXPERIENCE**

Central Europe, Eastern Europe and Baltic states: Croatia, Czech Republic, Hungary, Slovak Republic, Ukraine  
South-eastern Europe: Cyprus, Greece, FYR Macedonia, Kosovo,  
Central Asia: Kyrgyz Republic, Kazakhstan, Tajikistan, Turkey, Uzbekistan, Russia,  
South-east Asia: Indonesia (Java), Singapore  
Middle East: Dubai  
Africa: Ghana, Kenya, Mozambique, South Africa, The Sudan  
North, Central and South America: Argentina, Colombia, Costa Rica, Dominica, Honduras, Mexico, St. Lucia, ,  
United States, Uruguay

## **COMPANY EXPERIENCE**

- **Jan 2019 to present:** Associate Consultant, Juru Energy Ltd. UK
- **Jan 2018 to present:** E&S specialist NJD Advisory Services Ltd., UK
- **Sept 2004 to Dec 2017:** Environmental Specialist, Mott MacDonald Ltd.
  - Jan 2011 to Dec 2017: Principal energy environment team leader (Houston, TX)
  - Sept 2004 to Jan 2011: Senior / Principal E&S specialist (Brighton, UK)
- **Sept 2000 to Sept 2003:** Air Emissions Testing Specialist, Casella Stangar (previously Stangar Science and Environment), UK (Wolverhampton, Glasgow, UK)
- **Sept 1997 to Aug 1999:** EHS consultant (emissions to air, noise, occupational air quality, odour), Severn Science and Environment (SSE), Leeds, UK

## **EDUCATION**

- BSc (Hons) Environmental Science (Chemistry Option), The University of Leeds, June 1997
- MSc Environmental Impact Assessment (EIA), Auditing and Management Systems, University of East Anglia, 2003/2004
- NEBOSH National General Certificate (Level 3) in Occupational Health and Safety – Credit, 2006

## **SPECIALIST SKILLS**

### **LEADERSHIP AND PROJECT MANAGEMENT**

- Project Manager for several international ESIA on behalf of multi-lateral banks
- Demonstrated management and organization skills overseeing large multidisciplinary teams for the preparation of several international Environmental and Social Impact Assessments (ESIA).
- Excellent communication and delivery skills and experience leading numerous stakeholder engagement and consultation meetings as part of ESIA delivery
- Extensive experience collaborating with lenders, lawyers, insurers, developers and technical engineers to balance the needs of all stakeholders.
- Skilled in applying E&S standards to a wide range of project types and locations requiring a specific mix of technical practicality, problem solving, negotiation and collaboration skills.
- Technical Director overseeing more than 1000MW of energy projects worldwide at various stages in financing with an emphasis on early identification of risk and inclusion of enforceable actions.
- Appointed ESDD practice leader for environmental and social due diligence at Mott MacDonald with remit for technical leadership, technical excellence and quality control.
- Successfully established and managed a team of seven E&S specialists in North America to oversee delivery of E&S sustainable financing services in Latin America and Caribbean region.

### **ENVIRONMENTAL MANAGEMENT**

- Practical environmental management background including roles as Environment Manager for National Grid Substation Alliance (SEESA) overseeing environmental implementation for all substation construction works in the south east of England between 2008 and 2009.
- Extensive experience undertaking construction and operations environmental, social and labour monitoring including on site auditing, developing corrective action plans, providing training and tool box talks.
- On-site experience conducting emissions to air, environmental noise and ambient air quality and odour monitoring.
- Broad technical understanding in assessment and management of air emissions, air quality, noise, shadow flicker, biodiversity, waste, water quality.

### **BROAD CLIENT EXPERIENCE**

- Multilateral development banks: the World Bank Group; Inter-American Development Bank; European Bank for Reconstruction and Development (EBRD)
- Bilateral and Sub-regional development Banks: Financierings Maatschappij voor Ontwikkelingslanden (FMO); Corporacion Interamericana para el Financiamiento de Infraestructura S.A, Banco Nacional de Comercio Exterior, Credit Agricole Corporate and Investment Banking (CACIB); ,
- International; Development Agencies: United States Agency for International Development (USAID),
- Export credit agencies: USEXIM; KEXIM;
- Equator Principles Financial Institutions (EPFIs) including EKF, KFW, FMO, Proparco, DEG,
- Private clients including private equity funds, and developers

## **PROJECT EXPERIENCE**

NJD ADVISORY SERVICES LTD.

- **November 2019 – ongoing, IFC Syrdarya 1,300 MW CCGT PPP Auction (November ongoing), IFC and Government of Uzbekistan – Environmental and Social Expert** for the preparation of Environmental and Social Assessment scoping report including: regulatory and permit review; preliminary screening of social impacts including review of land ownership and formal and involuntary resettlement risks; qualitative screening of air quality impacts, noise impact and waste water discharges; screening of critical habitat / biodiversity risks including presence or absence of species or habitats of conservation importance; review of potential cumulative impacts, including air quality, noise, water use and waste-water discharges; preliminary mapping of stakeholders relative to the area of influence; Prepare Terms of Reference for the full ESIA study. Work also includes input into IPP/PPP documents. This work was performed in associated with local consultants Juru Energy Ltd.
- **September 2019 - Regional Power Sector Masterplan, ADB, Uzbekistan, Kyrgyz Republic, Kazakhstan, Tajikistan** – Environmental expert for the preparation of an environmental analysis framework for assessing existing generation and transmission assets (including environmental impact) to ensure compliance with environmental standards and safeguard requirements of ADB. This included a review of national policies in terms of Strategic Environmental Assessment (SEA) to identify environmental constraints on the implementation of new projects; a high level screening of projects planned by countries and detailed environmental assessment of projects proposed by Consultants and quantification of environmental benefits for determination within the proposed Regional Power Sector masterplan. This work was performed in associated with local consultants Juru Energy Ltd.
- **2019-ongoing - Support for the Implementation of Wind Auctions in Uzbekistan, Uzbekistan, Juru Energy/ EBRD** - Environmental and Social Expert for the preparation of high level Environmental and Social Assessment of the selected site in relation to sensitive receptors, specifically availability of IBA, Ramsar sites, Emerald Sites and other protected areas etc. with particular focus on bird migration routes in the proposed location of the main and associated facilities; Preparation of relevant E&S schedules to be included in the IPP documents; Support bid evaluation and the rest of the transaction in relation to E&S aspects. This work was performed in associated with local consultants Juru Energy Ltd and Xenops Environmental <http://xenops-environmental.com/>.
- **2019, 36 MW wind farm, North Macedonia.** International E&S specialist hired to update project documentation in line with Lender ESAP and IFC Performance Standards. Work included: supplementary analysis (traffic IA, IPs screening analysis, land acquisition and impact report), establish ESMS and prepare ESMP (including supporting management plans), update stakeholder engagement plan and define consultation strategy and GM, labour commitment policy and management plan, critical habitat assessment and BMMP, preparation of non-technical summary. Provided transaction advisory services for integration of E&S requirements into contract documentation for bankable BOP and EPC contract. This work was performed in association with Xenops Environmental <http://xenops-environmental.com/>
- **2018 MSG Environmental and Social Management System (ESMS).** Develop Construction Environmental and Social Management Plan (ESMP) and supporting topic specific plans including: water resources and water management plan, waste and materials management plan, pollution prevention and control plan, workers' accommodation management plan, cultural heritage plan including chance finds procedure, site clearance and rehabilitation plan, traffic management plan and community health and safety plan. Also developed monthly reporting template for construction contractor.
- **2018, Asian Development Bank Environmental specialist.** ADB is updating its Safeguard Policy Statement Environment Sourcebook, from the current version dated 2012, and reviewing the Rapid Environmental Assessment (REA) checklists currently used for the environmental screening and categorisation of projects. Acted as environmental specialist to assist with preparation of the “process” sections of the SPS Environment Sourcebook which essentially cover the environmental assessment, management and implementation requirements for project-based modalities, and assistance with updating selected REA checklists (education, health, transmission and distribution, water treatment and sewage treatment work projects).
- **2018, Jilamito Hydropower project (Mott MacDonald on behalf of Inversiones de Generacion**

**Eléctricas S.A. de C.V ).** INGELESA has undertaken various feasibility studies, environmental and social assessment studies and stakeholder consultation activities since 2006 and this Summary ESIA is prepared to provide a coherent presentation of the current outcomes of the impact assessment process for the purpose of securing financing from international lending institutions

#### **MOTT MACDONALD LTD. (2005 TO 2017)**

- ESIA Project manager for 40MW Solar PV plant in Embu County, Kenya. Work performed on behalf of KenGen and USTDA and in accordance with World Bank Performance Standards.
- ESIA Project manager for Casita-San Cristobal Geothermal project (exploration phase drilling), Nicaragua. Work was performed on behalf of project developer (Cerro Colorado Power) and in accordance with World Bank Performance Standards.
- Lead environmental specialist responsible for drafting full technical update of the USAID Construction Sector Environmental Guideline (SEG) - <http://www.usaidgems.org/Sectors/construction.htm>. The role included describing good practice frameworks for different stages in ESIA process including analysis of alternatives, needs case, baseline assessment and impact mitigation. I developed project screening and monitoring and management checklists. A key challenge for this work was trying to integrate assessment and management of climate related risks and climate adaptation into the ESIA; addressing supply chain and procurement challenges and integrating social aspects into the ESIA process in a meaningful way.
- Project Manager for E&S review for the proposed 'Rehabilitation and Modernisation of the Ukraine Gas Transit System' on behalf of the Lenders (EBRD, EIB and IFC) included regulatory review and gap analysis of national legislation against Lender guidelines, baseline characterisation of the main pipeline transit corridors, production of ESA terms of reference.
- Lead environmental specialist for site selection of proposed LNG terminal in Mombasa, Kenya. Work was performed on behalf of the Government of Kenya and the International Development Association (IDA)
- Lead environmental contributor for the preparation of an ESIA, ESAP and resettlement policy framework for the Mozambique Regional Transmission Project (CESUL) on behalf of World Bank and Electricidade de Mozambique, Mozambique, including 1 x 800kV HVDC (1000km) and 1 x 400kV HVAC (1000km+) overhead transmission lines, substation works and access roads. Work performed to World Bank Group Environmental Health and Safety guidelines and IFC Environmental and Social Performance Standards.
- Environmental lead for the assessment of the EHS management and performance within Kosovo Electricity Company's distribution in connection with the privatisation framework for the Kosovo Electricity Distribution and Supply, work performed on behalf of IFC
- Project manager for production of ESIA, ESAP and public consultation and disclosure plan for 800MW combined cycle gas turbine and associated activities (15km pipeline and two 15km transmission line) in Turkey on behalf of Akenergi.
- Environmental coordinator for ESIA of 655MW hydro power project in Kaghan Valley, Pakistan.
- Environmental coordinator for preparation of ESIA on behalf of Dubai Electricity and Water Authority (DEWA) for the proposed Hassyan and Lehabab Power and Desalination Project, Dubai.
- Environmental specialist supporting preparation of a preliminary ESIA for the construction and operation of 2 x 120MW coal-fired power plant, 30,000m<sup>3</sup> per day desalination plant, 75km transmission line and a 70 tonne coal handling jetty on the Red Sea coast.
- 18 month secondment as Environmental manager for the South East Electricity Alliance (SEESA) (National Grid joint venture with Mott MacDonald, Skanska and Areva). Responsible for environmental compliance, planning, design and delivery of high voltage substations in the South East of England. Key achievements include integration and development of partner environmental management systems, implementation of an integrated electronic waste management system (including implementation of Site Waste Management Plans). Other key functions of the role included production of Construction Phase Environmental Management and Monitoring Plans, providing environmental awareness training for designers and regular site construction compliance audits.
- Environmental advisor providing environmental engineering specifications for planned 800MW combined cycle gas turbine in Greece.
- Project manager providing EIA and permitting support to Client for proposed a coal fired power plant and associated coal handling jetty in South East Asia.

***LENDERS' INDEPENDENT ENVIRONMENTAL AND SOCIAL CONSULTANT (IESC) (ESDD AND ESAP, CONSTRUCTION AND OPERATION MONITORING)***

- Technical Director for LAC wind portfolio (2014 to 2017): Costa Rica (100MW), Uruguay (140MW); Mexico (50MW); Dominican Republic (50MW); Argentina (100MW (various Lenders)
- Cerro de Hula WF (125MW), USEXIM, Honduras
- Autopista al Mar 1 Toll Road project, DEVIMAR S.A.S. and Financiera de Desarrollo Nacional (FDN), Colombia
- Corredor Turístico de Honduras (Honduras Toll Road), CIFI, JP Morgan, FICHOSA, Honduras
- 267 MW Tucumán and 107 MW Loma Campana II, Fast Power, Citi Credit Suisse and Export Development Canada (EDC), Argentina
- Queensland Gas Curtis LNG Terminal including upstream, midstream, LNG plant and port facilities, Export Import Bank of the United States.
- Aconcagua power plant, Argentina
- Takoradi II (TICO) power plant conversion from OCGT to CCGT, FMO, Ghana
- Kpone 400MW CCGT, FMO, Ghana
- Termotajasero Coal Fired Power Plant expansion, SMBC, Colombia
- Five CCGT plants with a total capacity of 2250MW and a gas pipeline, Mexico
- 400MW gas fired power station, GE Renewables, West Java
- Cape Wind Offshore Wind Farm, (various Lenders), New England, US
- Deepwater Wind Block Island Offshore wind project, Societe Generale, US
- EnBW Baltic II Offshore Wind Farm, Germany
- 20MW Wind Farm, Croatia
- 20MW wind, Slovakia
- Grupo Terra Del Sur 25 PV Power Plant, FMO, Honduras
- ENKA Gebze, Adapazari and Izmir CCGT Projects, US EXIM, OPIC, IFC, Turkey
- Baymina CCGT, Turkey
- Uch Power Plant (560MW), Pakistan
- 24MW straw fired biomass plant, Hungary
- El Velero PV plant including 13km OHL, Nicaragua
- Portfolio of four solar PV projects total 8 MW, South Africa
- Mantaro Hydropower Project four run of river schemes (totaling 38MW), Mantaro river, Peru
- Tapalwas Hydroelectric 4.7MW run of river and supporting infrastructure, Nicaragua
- Kakamas 12 MW Hydro Electric Power (KHEP) Scheme, NedBank, South Africa
- Luhri 700MW Hydro Electric Project, India
- Ingula Pumped Storage Scheme, Eskom, South Africa

***ENVIRONMENTAL MANAGEMENT, FEASIBILITY STUDIES AND SITE SELECTION***

- On behalf of the Government of Sindh, prepared an environmental feasibility study for development of coal fired power plant in the Thar Coalfields.
- Air Quality Monitoring strategy, Botswana Power Corporation (BPC) and Department of Waste Management and Pollution Control (DWMPC) (2013) providing specialist oversight for the periodic and continuous emission monitoring requirements as part of a wider scope of works to establish, manage and procure an internationally compliant air quality monitoring network
- Review of Continuous Emissions Monitoring System (CEMS) and emission test procedure with national standards and international best practice for Umm Al Nar Independent Water and Power Project.
- E&S Fatal Flaw Analysis (ESFFA) of a Wind portfolio target assets in Chile (totaling 7 assets, 985.6MW).
- Technical lead for environmental, social and permitting fatal flaw review for solar portfolio Chile, Uruguay and Brazil
- Red flag report for potential minority stake investors in utility including transmission and distribution assets, storage facilities and power plants in Pennsylvania, US
- Red flag report for Duquesne Light Company (DLC's) T&D assets, US
- E&S review of EANDIS assets and operations in electricity distribution, gas distribution, district heating and public lighting, Flanders area of Belgium

- ESG risk appraisal for LNG Regasification Project, El Salvador
- Red flag review of EverPower Wind Holdings, Inc comprising four Projects with a total installed capacity of 317.5 MW located in Pennsylvania and California.
- Permit review and road map outlining environmental assessment requirements for the Turkish section of the South Stream Pipeline