

Lima, 05 de septiembre de 2024

Nicholas O'Dwyer

Señores

Atención: **OHLA**

Asunto: Presentación de la empresa Nicholas O'Dwyer del grupo RSK

Estimados señores,

Por la presente, Amphos21 Consulting Perú S.A.C. (en adelante Amphos21), empresa del grupo RSK en su calidad de postor en el proceso de licitación 400200-OHL001-000-XX-RP-ZZ-000271 con el objetivo específico de la contratación de una empresa que plantee alternativas de ingeniería y posterior desarrollo de la ingeniería de detalle de la mejor solución para realizar la protección ribereña en la zona de la población de Sayán sin demoler el puente existente de ingreso a la población (Puente Balta, dentro del proyecto denominado "Defensas ribereñas del río Cañete y del río Huaura (paquete 5)", manifiesta que la empresa Nicholas O'Dwyer (en adelante NOD), también empresa del grupo RSK, participa colaborativamente con Amphos 21 en proyectos de Ingeniería Hidráulica.

En ese sentido, se presenta la experiencia de NOD en servicios relacionados con el objeto de la presente licitación además de acreditar al Señor Jonathan Cooper, consultor en el área de Ingeniería y Medio Ambiente de la empresa NOD, como Asesor Senior Internacional.

Sin otro particular

Atentamente,



Eduardo Ruiz
Gerente General
Amphos 21 Consulting Perú S.A.C.



Jonathan Cooper Gerente
Área de Ingeniería y Medio Ambiente
Nicholas O'Dwyer

Jonathan Cooper
BEng, MSc

Current Position:
 Consultant

Qualifications:

- MSc Hydrology, Hydraulics and Coastal Dynamics 1983-1984
- BEng Civil & Structural Engineering 1979-1983

Professional Memberships:

- Chartered Member of the Engineering Council (CEng)
- Member of Institution of Civil Engineers (MICE)
- Member of the Institution of Water and Environmental Management (MCIWEM)
- UK registered Chartered Water & Environmental Manager (CIWEM)
- Fellow of Institute of Directors (FID)

Career Summary:

- 2023 - Current - Nicholas O'Dwyer - Consultant
- 2023 – Cooper Resilience Consulting - Director
- 2013 - 2022 - JBA Consulting Ireland - Managing Director
- 2017 - 2022 - JBA Consult Europe srl, Romania - Managing Director
- 2011 - 2013 - JBA Consulting UK - Director
- 2003 - 2011 - JBA Consulting UK - Divisional Manager
- 1989 - 2003 - Atkins Water, UK - Chief Engineer - Rivers & Coastal
- Division
- 1989 - 1989 - Binnie & Partners Consulting Engineers, UK - Engineer
- 1985 - 1989 - Babbie Shaw & Morton, UK - Graduate Engineer
- 1984 - 1985 – Salford Civil Engineering, UK - Research Engineer (Hydro-Power)

Expertise Summary:

Jonathan has over 40 years' experience and has a BEng in Civil & Structural Engineering and a MSc in Hydrology, Hydraulics and Coastal Dynamics. Technical and policy expert in Integrated Flood Risk Management applied in Ireland, UK, Romania, Bulgaria, Moldova, Hungary, and the US. Involved in 3 AMP cycles associated with the English water privatization. Design engineer and business case analyst for water supply strategies in Northwest England, drought response measures, first time sewerage and treatment systems, plant upgrades and rationalization, Urban Pollution modelling and water quality measures. Development of supporting policies and guidance for government in the delivery of flood risk management objectives in UK and Irish Republic. Led an Irish environmental consultancy, with ecologists, environmental scientists, landscape architects and geomorphologists for 10 years.

Key Expertise Relevant to this Project:

- Catchment flood risk management plans
- Environmental Assessment of river works.
- River restoration of mobile river systems
- Fish pass design
- Ecological flow analysis

Key Relevant Experience:

Lower Lee Flood Relief Scheme

Client: OPW, Ireland. **Year 2013-2022**

Description: Design of flow forecasting system, hydrological analysis of 12 hydrometric stations, design of new stations, flood analysis and hydraulic modelling. Hydromorphic screening and scoping for upstream lake bodies, and impacts of gate closure on the South Channel. **Role:** Project Manager

WSP Eastern & Midlands Region

Client: Ervia, Ireland. **Year Ongoing**

Description: Review of water and environmental chapters of initial and draft EIAR and NIS for River Shannon transfer, water treatment works, pipelines. **Role:** Peer Review of hydrological and water quality modelling, climate change and WFD assessment.

Wexford Town & Environs Flood Relief Scheme

Client: Wexford County Council. **Year Ongoing**

Description: To develop and implement a flood relief scheme for fluvial and coastal sources. **Role:** Project Steering board

Flood Hazard Mapping and Programme of Measures for 2nd Cycle of Floods Directive.

Client: World Bank. **Year Completed: 2022**

Description: Updating flood models, assessing sustainable and natural flood management measures, disaster risk management plan and pre-feasibility studies on priority areas
Role: Contract Manager. Jonathan was responsible for the Coordination of the consortium of Dutch, Danish and Romanian partners, client interface and lead on the programme of measures methodology of multi-criteria analysis and flood forecasting systems

Castleconnell Flood Relief Scheme

Client: Limerick City & County Council. **Year Completed: On-going**

Description: Creating in channel 2d flood and geomorphic models of the River Shannon, Option Appraisal of flood relief options, outline design and public engagement **Role:** Project Manager. Jonathan was responsible for overseeing all the modelling, environmental assessments, heritage designs for causeway to listed building and option appraisal.

Technical Assistance Services in the preparation of Large Infrastructure Operational Programme projects

Client: National Administration ROMANIAN WATERS - Somes-Tisa, Olt and Jiu River Basin Authorities. **Year Completed: 2022**

Description: Feasibility Studies for different Flood Risk Management Schemes in 3 River Basin Authorities **Role:** Project Manager

and lead modeller. Jonathan was responsible for leading technical services (Hydrological and Hydraulic modelling, Option appraisal, CCVRA, WFD, Institutional analysis etc). In river 2D modelling of 130km of Suceava River using TuFLOW for option testing and WFD assessment in a highly mobile riverbed. Development of pumped drainage catchment models for 9 settlements in the Danube Delta.

Framework Agreement to Support EIB Advisory Services (EIBAS) Activities Inside & Outside EU-28

Client: European Investment Bank (JASPERS). Year Completed: 2023

Description: Environmental assessments for flood projects in Romania and Hungary **Role: Project manager and RO co-ordinator.** Jonathan was responsible for Preparation of Action Completion Notes for CCVRA (Climate Change Vulnerability Risk Assessment of the proposed projects) and checking of environmental assessments. Production of new Guidance for AA, EIA and WFD assessments.

Lesu Dam Rehabilitation

Client: Aquaproiect SA. Year Completed: 2018

Description: Options appraisal of the green infrastructure measures at Lesu dam. **Role: Project Advisor.** Jonathan undertook climate change vulnerability assessment to JASPERS guidelines and oversaw damage modelling using HecRAS.

River Dniester Water Resource Study

Client: UNDP Moldova. Year Completed: 2021

Description: The Dniester river is the 4th largest river and contains the largest pumped storage HEP station in Europe. Its operation was potentially causing water resource, fisheries habitat, sediment deposition and groundwater issues for the Moldovan government and this study was designed to provide the evidence base to take to transnational resolution of water management protocols between Ukraine and Moldova. **Role: Project Manager, water resource specialist and modeller.**

Bucharest Surface Water Management Plan

Client: Apa Nova Bucharest. Year Completed: 2018

Description: Development of policy framework for a sustainable urban drainage management for new connections and production of pluvial maps for the wider Bucharest area. Developed a Rain on Grid model for the City. **Role: Project Director.** Jonathan was responsible for review of master plan and development of policy framework. Undertook pluvial flood hydrology assessment and 2d rain on grid modelling.

Fish passage design for Tarmonbarry Weir

Client: Waterways Ireland. Year Completed 2020

Description: Assessment of different fish pass techniques, outline design and costing, and geomorphology assessment **Role: Technical Director.** Jonathan led a team of in-house fish scientists, modellers and ecologists to design an offline rock ramp ensuring competing attractive flows would support the movement of salmon and trout past 4 large sluices.

King's Island Flood Relief Scheme

Client: Limerick City and County Council, Office of Public Works. Year Completed: 2022

Description: Design, tender and construction of €25m embankment and wall scheme progressing through Part 10 Planning process. Green infrastructure approach to embankment defences, providing amenity value and environmental benefits. Construction adjacent and within Natura 2000 site. **Role: Project Director.** Jonathan was responsible for EIAR/AA, 2D hydraulic modelling of breach failure, options analysis and cost benefit assessment.

Lower Lee Flood Relief Scheme

Client: Office of Public Works. Year Completed: 2023

Description: Largest flood relief scheme in Ireland at €160m, protecting the city of Cork from fluvial, pluvial and tidal flood risks. Produced a comprehensive model of the Lee and its tributaries. **Role: Technical Director.** Jonathan was responsible for 1D/2D Model build, including a physical model of 300m of complex channel. Developed stochastic rainfall series for use in continuous simulation analysis of the performance of the upstream hydropower dams. Design of a Deltares FEWS system for reservoir operation with full routing hydraulic model.

Deansgrange Flood Relief Scheme

Client: Dun Laoghaire Rathdown CC. Year Completed: 2016

Description: River restoration and provision of a landscaped flood embankments to a housing estate. **Role: Technical Director.** Using geomorphic principles designed new meandering channel, 2d flood modelling, improved entrance to an existing culvert and biodiverse landscaping plan. Supervision of the works and final account.