



Alex Gkiokas - Resume

Asset Planning / Digital Transformation

Qualifications:

- 2018: Chartered Engineer (**CEng**) and Chartered Water & Environment Manager (**C.WEM**) with CIWEM
- 2016: Certified Project Management Professional (**PMP**) in the Project Management Institute (PMI)
- 2009: Professionally Licenced Civil Engineer with the Technical Chamber of Greece
- 2009: **MSc** Water resources Science & Technology, National Technical University of Athens
- 2008: **MEng** Civil Engineering National Technical University of Athens
- 2007: Certified as Quality Management Systems (**ISO9000**) Internal Auditor in TUV Nord
- 2007: Certified as Lead Auditor in Environmental Management Systems (**ISO14000**) in TUV Nord

Top 10 skills:

- BIM/Information management
- Hydraulic modelling
- Project and Programme Management
- Water investment planning
- Asset Management
- Data analytics
- Programming
- Digital transformation
- Collaborative behaviours
- Resource management

Languages:

- English – Fluent
- French – Basic
- Greek – Native

Twelve years of varied civil engineering, digital engineering and information management roles in the UK, Middle East and South-East Europe. Hands-on experience in developing digital design/delivery applications which increase efficiencies and facilitate digital information exchange. Early adopter of new technologies and enthusiastic advocate of learning by doing and progressing by sharing. Advanced user of many Microsoft, Autodesk, ESRI, Innovyze and Bentley software products. Programming and app development experience in Python, VBA and Microsoft Power Apps. Passionate about design thinking and agile project management methodologies.

Roles – Duties – Achievements

Anglian Water's Strategic Pipeline Alliance (SPA), Peterborough UK Asset Information Manager (2021 – now)

- Develops and oversees the implementation of the asset information handover strategy to enable high-quality data transfer from the project information model to the client's corporate data repositories and the programme's digital twin
- Engages with the whole supply chain, design leads, site teams, asset operators for the creation of exchange information requirements (EIR) and asset information requirements (AIR)
- Develops automation apps and interfaces for efficient data collection and transfer through the various digital ecosystem applications (common data environment).

BIM4Water, UK

Vice Chair of the Data Quality, Security and Governance Group DQSG (2021 – now)

- Contributes to the objectives of the groups such as defining best practice for data management processes (Data Quality, Data Security, Data Governance, and supporting processes) in the water sector.

Centre for Digital Built Britain (CDBB), Cambridge UK

Digital Framework Task Group (DFTG) Governance Stream Delivery Lead (2019 – 2020)

- Supported the conceptualisation of the National Digital Twin Programme. Led brainstorming workshops and engaged with key stakeholders involved in the sectorial ecosystems of digital twins in the UK.

Centre for Smart Infrastructure and Construction (CSIC), Cambridge UK

BIM Consultant (2017 – 2018)

- Seconded from Mott MacDonald to develop a BIM Maturity assessment tool which measures project BIM maturity across the whole asset lifecycle in compliance with the applicable PAS1192 BIM standards and protocols. Tested the tool across five cross sector case studies covering water, highways, rail and nuclear industries. Led engagement workshops and performed 1-to-1 interviews to validate the tool with the partner organisations.

Mott MacDonald Limited, Cambridge UK

Hydraulic Modelling and Asset Investment Planning (2016 – 2020)

- Led a team of six hydraulic modellers in the UK. Managed projects and programmes of modelling work for clients such as Thames Water, Irish Water, PAW Oman, United Utilities. Compiled data management plans and built extensive suite of visual basic and python scripts to automate model run and documentation. Deployed PowerBI and Mott MacDonald's proprietary web platform Moata to visualise and communicate modelling outputs to Client Operations and Asset Planning teams. Relevant entry to the internal company Excellence Awards 2017 was shortlisted to the finals.
- Actively engaged with account leaders to support business development and positioning to new opportunities stemming from the use of innovative digital technologies
- Developed the Script Objects for InfraDesign Automation (SOFIA) app which reduces the time required to convert 2D survey polylines to 3D pipe network models by at least 60% (estimate from real projects).

Hydroex LLP, Athens Greece

Hydraulic Engineer & BIM Lead (2010 – 2016)

- Initiated and led the BIM practice for three years (2013-2016). Designed and implemented PAS1192 BIM compliant information management process workflows. Introduced and led the adoption of common data environment platforms. Coordinated development and maintenance of digital component libraries. Responsible for resourcing and training on Autodesk Civil 3D, Navisworks, Revit, ProjectWise, InfoWorks, WaterGEMS and ArcGIS
- Alfeus-Calamata 120 Km railway upgrade project: BIM delivery lead for the whole drainage design comprising ~520 culverts, ~12 bridges; ~138 Km gutters. Focal BIM contact point with all the rest JV partners. Developed custom Civil 3D add-in applications for efficient quantity take-off reporting (BIM 5D) and multiple VBA tools for 30% faster production of profile views and layouts. Provided extensive staff training on use of applications.
- Special Achievement Award for Exceptional Application of Geospatial Technology (ESRI International User Conference in San Diego, California 2014).