

John Young

Director



BEng MSc (Eng) CEng MICE MCIWEM

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Profile:

John Young is a Chartered Civil Engineer and a founding Partner and Director of Edenvale Young Associates which is a specialist civil engineering consultant in the maritime and fluvial environment

Qualifications:

- BEng Civil & Structural Engineering
University of Sheffield (UK)
- MSc (Eng) Maritime Civil Engineering
Liverpool University (UK)

Further qualification:

- Member of the ICE
- Member of CIWEM
- Chartered Civil Engineer

Career summary:

Edenvale Young Associates, Bristol (UK)

Joint Managing Director
2002 – Present

Royal Academy of Engineers & Ove Arup Foundation, University of Bath (UK)

Lecturer in Offshore & Coastal Engineering
2009 – Present

Buro Happold Consulting Engineers (UK)

Senior Engineer & Associate
1998 – 2002

Binnie & Partners (UK & overseas)

Senior Engineer
1990 – 1998

Halcrow (UK)

Civil Engineer
1988 – 1990

British Railways Board(UK)

Graduate Engineer
1981 – 1986

Professional Overview:

In the UK, John has worked as a Project Director and Manager on multi-disciplinary projects with architects, developers, Environment Agency, Local Authorities, consultants and water companies for the delivery of projects including fluvial flood alleviation, sea defence schemes, marinas, reservoirs, lakes, water supply and tidal barrages. During his career he has, and continues to work, on coastal, reclamation, port and marine projects in Hong Kong, The Philippines, Bahrain, Saudi Arabia, Kuwait, Chile and the Caribbean (Nevis, St Lucia and Grenada). Particular interests include:-

- Asset condition assessment of historical structures
- Flood risk assessment and design for sustainability
- Low head hydro-power generation
- Hydraulic modelling including ISIS & TUFLOW
- Refurbishment and replacement of river walls
- Flooding project appraisal studies including option and economic assessment
- Hydraulic and geotechnical assessment of bridge structures for scour in extreme flows
- Development and site supervision of contract documents for marine, river and coastal projects

John is an Ove Arup Foundation / Royal Academy of Engineers visiting lecturer in design at Bath University on the Hydraulics, Offshore and Coastal Engineering module of the Civil Engineering M.Eng degree course.

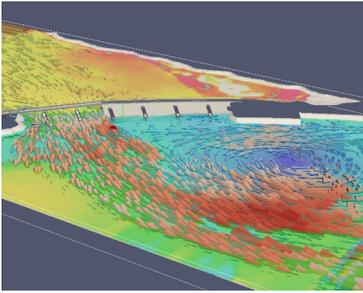
John has given presentations at Ministerial level in Bahrain and Saudi Arabia and to the Institution of Civil Engineers in London and Riyadh and in 2005 John took part as an expert speaker in a seminar programme organised by UK Trade and Investment and the Embassies in Oman and Kuwait speaking about marine pollution relating to the engineering of coastal developments.

In 2011 John joined the Cabinet Office's Small & Medium Enterprise (SME) Panel associated with improving access for SME's to Central Government procurement. In addition, he is a qualified CEEQUAL Assessor (Civil Engineering Environmental Quality Assessment and Award Scheme) and a Supervising Civil Engineer (SCE) for the Edenvale Young Approved training scheme with the Institution of Civil Engineers.

Key project specific experience:

Bristol Harbour Strategy (2011)

Development of a long term strategy for the renewal / maintenance or removal of hydraulic assets associated with the Floating Harbour (e.g. locks, sluices, weirs and culverts), some of which date back to the early 19th Century. The project included asset condition appraisal survey, laser survey of underground assets, hydraulic modelling to assess asset vulnerability and an evaluation of environmental constraints.



Pont Brewit OpenFOAM

SS Great Britain Trust (2011):

Preparation of a formal risk assessment associated with damage or loss to the historical collection as a result of tidal inundation to the site from the Floating Harbour. This included a detailed evaluation of all areas of the site including the Brunel Institute Archive, vessel hull, dry dock, museum offices, shops, workshops and M&E plant to establish the vulnerability and severity of flooding to items housed in each area. The severity was used in conjunction with hydraulic modelling to establish the risk and make recommendations for mitigation.

Pont Brewit 3D Modelling: Bridge Scour

Development of a 3D Open Foam model to evaluate bridge pier scour and hydraulic loading on the road / rail bridge. Modelling included the existing and proposed configurations and two temporary work scenarios. The existing Pont Brewit is a multiple span timber road and rail bridge crossing the Afon Dwyryd Estuary in north Wales which was constructed in the 1860s. The estuary is a SAC. It will be replaced with a new structure supported by larger diameter piles.



Hagley Hall Conservation Management and Restoration

Hagley Hall Historic Landscape Restoration (2011):

Member of a multi-disciplinary team led by landscape architects Askew Nelson to develop a conservation management plan for the grade 1 registered park. EVY's work included the development of a condition assessment for the ornamental ponds, embankments and culverts, water features and hydrological / water resources studies of the Gallows Brook and Hagley Hall watercourses.

River Eden Flood Embankments (2007):

Condition assessment for flood embankments and revetment works on the River Eden in Cumbria for a private owner following an embankment breach in 2005 which resulted in significant flooding to agricultural land and private property following failure of a blockstone wall in November 2009. The project also included geotechnical investigation and slope stability analyses to evaluate the sustainability of rock works on the channel sides.



Cleveland Pools, Bath

Cleveland Pools (2010):

Provision of hydrological advice to the Cleveland Pools Trust on the refurbishment of the open air swimming pool in Bath, the country's only surviving Georgian lido. This included evaluation of (flooding) constraints of development adjacent to the River Avon and frequency of inundation.

West Somerset Mineral Railway Condition Assessment (2010):

Evaluation of the hydrological issues affecting the stability of a major retaining wall on the incline which is a Scheduled Ancient Monument within Exmoor National Park and under the stewardship of English Heritage. (The project was undertaken in conjunction with Integral Engineering Design).