GROUNDWATER CONTROL FOR RETAINING STRUCTURES

Department of Civil and Environmental Engineering,
Room 212, Jordi Girona Street 1-3,
Campus Nord UPC, Building D2, Barcelona

OGI GROUNDWATER SPECIALISTS

UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Wednesday 3rd October 2018 **11:00am to 13:00pm** **Delivered by OGI's Dr Stephen Thomas**

Learn how to control groundwater inside and outside earth retaining structures to ensure a safe & stable working environment.

Discover the theory behind the mechanism of groundwater control, together with gaining an understanding of the techniques used in practice.

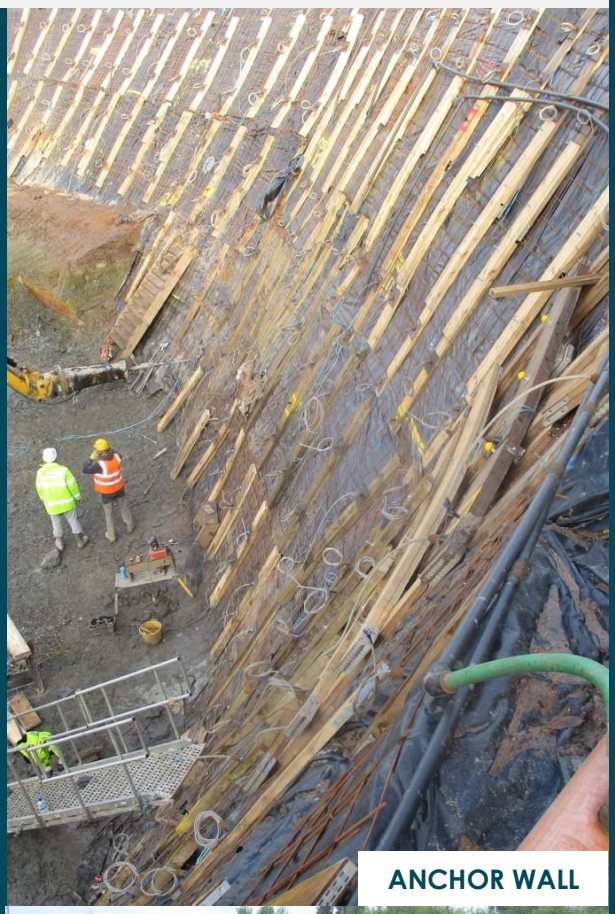
A series of case studies will be used to illustrate effective Groundwater Control and Pore-water Pressure Relief techniques, within and surrounding earth retaining structures, including:

Jacked and underpinned shafts, concrete secant / contiguous pile walls, diaphragm walls, steel sheet piled and combi walls, king post walls, soil nailed earth embankments and reinforced anchor walls.

In addition, OGI will present the groundwater control system constructed for the widening of the Seaforth Passage, a project for which OGI was awarded "Highly Commended" in the 2016 British Construction Industry Awards and the 2017 Ground Engineering Awards. This seminar will provide a unique insight into the challenges encountered during the design and implementation of the groundwater control system.

Part 1: Groundwater Control for Excavations in Phreatic, Artesian and Flowing Artesian Ground Conditions

Part 2: Groundwater Control for Excavations using impermeable cut-off Walls and Reinforced Steep Slopes


ANCHOR WALL


SHEET PILE WALL

Including a talk on the Highly Commended Seaforth Passage Widening Project and the 2018 Winner Royton Waste Water Treatment Works.

2016 bcia british construction industry awards HIGHLY COMMENDED

GROUND ENGINEERING AWARDS 2017 HIGHLY COMMENDED

GROUND ENGINEERING AWARDS 2018 10TH ANNIVERSARY WINNER


COMBI-WALL