

ICE UAE Hybrid Learned Event

Overview of the Inspection, Assessment, Maintenance and Repair of Marine Facilities in the Middle East

Objectives

- Identify common marine structures and materials typically used in the Middle East.
- Understand typical deterioration processes affecting marine structures.
- Explore inspection types, methodologies, and equipment for effective survey of marine assets.
- Discuss approaches for integrity assessment and common considerations in maintenance.
- Outline key factors influencing decisions on marine facility repairs.

Speaker's Biography

Maurice Kerr – Associate – WSP Middle East

Maurice is a Chartered Civil Engineer (ICE) with over 13 years' experience working on port and maritime engineering projects internationally. As a specific area of expertise, he has led the inspection and assessment of a wide variety of marine facilities (including waterfront structures, ports and terminals) in Europe, Africa and the Middle East as well as advising clients on maintenance, repair and procurement strategies.



Maurice is also a member of PIANC Working Group 233 which is in the process of developing a guidance document on the Inspection, Maintenance and Repair of Waterfront Facilities. Working for WSP Middle East and based in the United Arab Emirates, he is currently seconded to a port developer and involved in the inspection and assessment of port assets internationally as well as the development of both greenfield and brownfield waterfront facilities.

Event Overview

The expert inspection and assessment of marine facilities, coupled with effective maintenance and repairs, can offer significant potential towards extending the service life of assets and justifying operational changes, which may in turn reduce the need for new greenfield developments. This not only generates potential for significant project cost savings but may also result in environmental and sustainability benefits when compared to creating new facilities. Various inspection types, equipment, and testing methods are employed to comprehend a structure's condition, supplement gaps in information, and assess integrity. Choosing the appropriate inspection type and scope involves meticulous consideration of the inspection's purpose, structure type, environmental exposure, expected deteriorations, and available information. The seminar, focusing on the Middle East, aims to provide an overview of typical marine structure types, deteriorative processes, inspection methodologies, assessment approaches, and considerations for maintenance and repair in marine facilities.

Date: Thursday, 25 January 2024

Time: 7:00 PM - 8:00 PM (UAE time)

Location: Heriot-Watt University Dubai and Online, Microsoft Teams

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