Design drivers for concrete gravity foundations (*Presentation*)

Authors	Azadeh Attari Elena Reig Amoros Paul Doherty Carlo Paulotto
Publication Date	10/03/2015
Available online	NO – Link to the event page available
Abstract	The overall performance of the gravity based foundation in terms of buoyancy and stability are determined by various geometrical attributes such as the shape of caisson, height and width of caisson, and the number of subdivisions considered in the base. A parametric study was conducted considering the proposed geometrical variations, to investigate the feasibility of achieving the required hydrodynamic stability. The implementation constraints of different solutions were investigated, in terms of availability and cost of the associated logistics, e.g. port infrastructure and load-out requirements. Finally Finite Element-based designs were performed to identify the most cost effective configuration in terms of foundation weights, operational performance and overall financial implications.

Supported by:

Related Pictures (if any)	