SERI TANJUNG PINANG PHASE 2 – LAND RECLAMATION
PENANG, MALAYSIA

Developed in two phases by Eastern & Oriental (E&O), Seri Tanjung Pinang is a highly prestigious waterfront community on the coast of Tanjung Tokong on Penang Island. Phase one is complete and has created a world-class development across 240 acres of seafront land, including luxury villas, homes and holiday apartments situated above a retail marina. Construction of phase two has now begun which will see a significant amount of land reclaimed off the northeast coast. This will create a series of islands covering 740 acres, making it the largest masterplanned seafront development in Penang’s history.

Ensuring the development can be constructed to the highest international standards, creating a safe yet aesthetically pleasing environment, is a key requirement for the client. BuroHappold Engineering was appointed to undertake a comprehensive third party review of hydraulic modelling, environmental assessment and land reclamation design. Given the exposed location of the development, our coastal engineering experts robustly reviewed the approach of the local design consultants, particularly in relation to the twin threats of climate change and tsunamis, ensuring the development would be appropriately protected for its life.

In addition, our geotechnical engineers provided an expert view on the ground engineering design parameters and retaining wall designs for the land platform, to create a safe and stable environment. Both reviews resulted in significant design changes being accepted and adopted.

Such a project has enormous environmental impacts, and our team helped ensure these impacts were minimised and managed where possible through the Environmental Impact Assessment (EIA) specification process. Working in partnership with the client and the local EIA consultant, we developed the EIA to ensure it complied with international best practise. This was critical to ensure a project of this scale navigated through the approval process without delay. In addition, our experts supported the client in the public exhibition of the project, fielding questions from the local community and providing reassurance in response to their concerns.

As a result of our involvement, the client was confident to proceed with the project and planning approval was granted. BuroHappold have been continually engaged through conceptual, planning, design and construction phases of the project as the clients trusted advisors.

CLIENT
Eastern & Oriental (E&O)

ENGINEERING CONSULTANTS

DURATION
2014 – ongoing

SERVICES PROVIDED BY BuroHappold
Third party review of hydraulic modelling, environmental assessment, and land reclamation design.