

# MARINA DI CARRARA PORT MASTER PLAN, MASSA CARRARA, ITALY

CLIENT: PORT AUTHORITY OF MARINA DI CARRARA

LOCATION: Marina di Carrara, Massa Carrara, Italy

YEAR: 2011

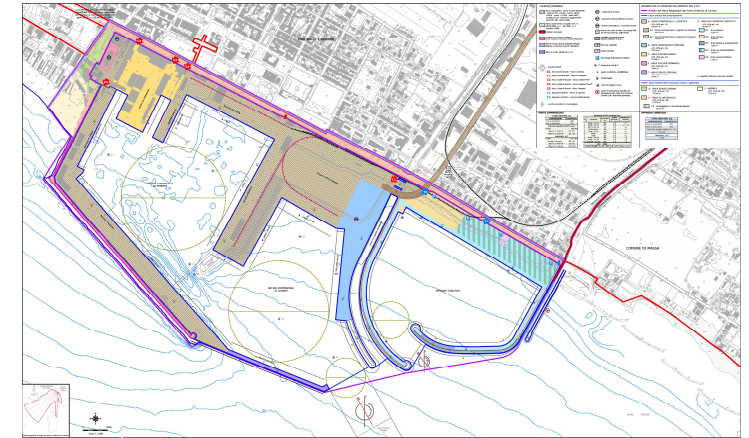
BUDGET: € 556.000.000

PROVIDED SERVICES:

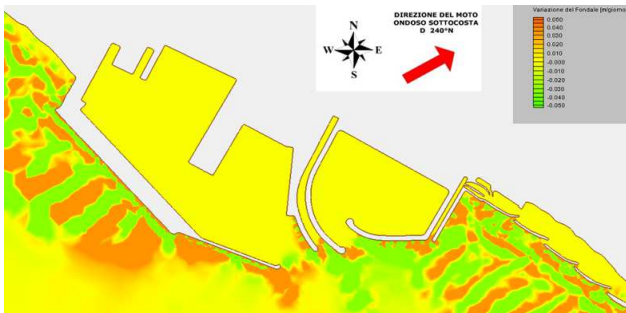
- alternatives layouts and preliminary outlines
- master plan
- field studies
- Strategic Environmental Assessment



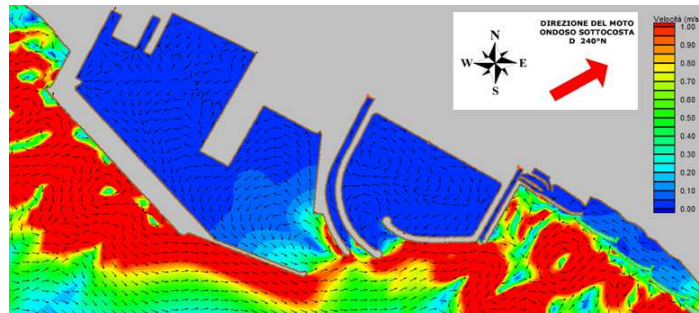
CURRENT LAYOUT



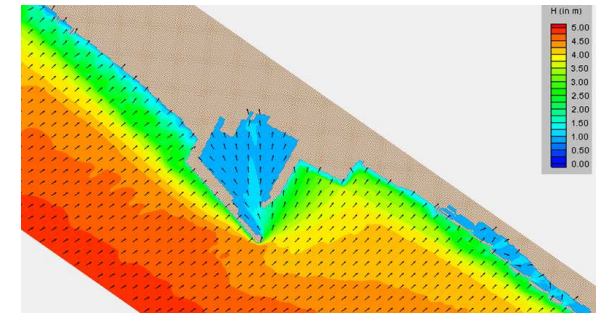
MASTER PLAN



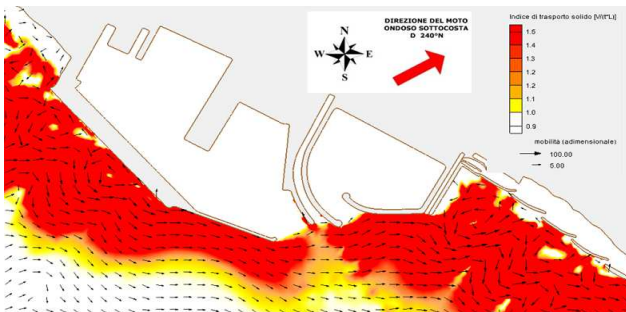
SEABED EVOLUTION



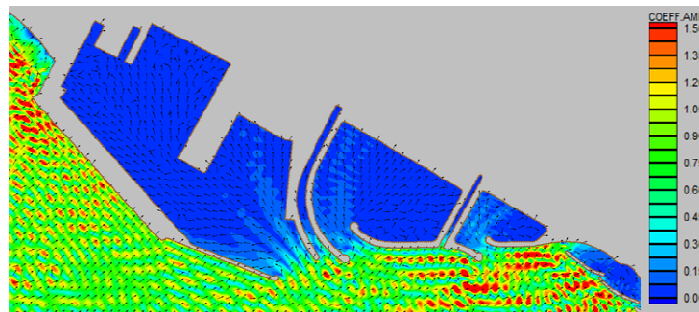
HYDRODYNAMIC STUDIES



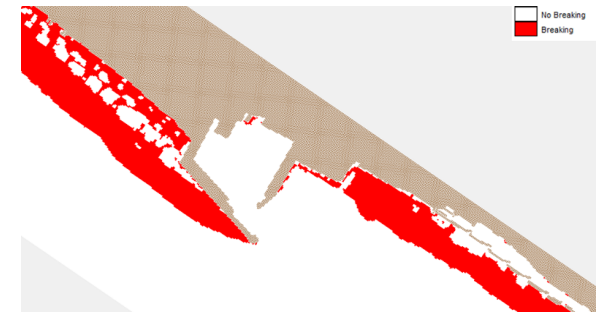
WAVE HEIGHTS DISTRIBUTION



SEDIMENT TRANSPORT STUDIES



INTERNAL AGITATION ANALYSIS



COASTAL ENGINEERING STUDIES

