

Application of numerical models in UST21: from coastal to open ocean

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UST21 uses a variety of models from coastal to offshore areas to provide results to our clients. We are currently involved in projects related to the construction of offshore wind farms, which has become a hot topic in South Korea, and the associated changes in marine environments. We provide model results for these projects. In addition, we are conducting research to improve the prediction performance of upwelling of the the cold water in the near shore of the East Sea, as well as numerical modeling to determine the causes of sediment layer changes near the Gyeonggi Bay. Furthermore, as climate change is becoming a major issue, we are producing medium to long-term predictive data to anticipate changes in marine environments and the fishing industry in the waters around South Korea due to climate change.