

## CASE STUDY

# Cork Lower Harbour WwTP



## The design & build contract was awarded to an EPS Group/Sisk JV in 2015.

EPS was awarded an operate contract for the treatment facility, which ends the practice of untreated sewage being discharged directly into the harbour from Cobh, Carrigaline (including Crosshaven), Passage West/Monkstown (including Glenbrook) and Ringaskiddy (including Shanbally and Coolmore).

The WwTP was built as part of Irish Water's Cork Lower Harbour Project, to protect the environment and to facilitate economic development in the communities around the Lower Harbour.



DB COST

**€23 Million**



START DATE

**Dec 2016**



CAPACITY BIOLOGICAL

**65,00 PE**



INLET & SLUDGE CAPACITY

**80,00 PE**



CONSTRUCTION PERIOD

**15 Months**



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## Project Specifics

The overall project included new pipelines, pumping stations and the treatment plant has been sized to accommodate future expansion of the local population & industrial activity. It ensures that the water quality standards set down by regulatory bodies will be achieved.

The plant was shortlisted for the Engineers Ireland Excellence Award in 2018, while EPS Group won the Green Technology Award at the 2016 Green Awards for introducing the revolutionary Nereda® Technology to the Irish wastewater treatment market.



- Largest operational Nereda® plant in the UK and Ireland (May 2019)
- New works serving 5 towns
- Part of a major project to enhance water quality in Cork Harbour
- Discharge to long sea outfall
- Discharge consent is BOD 25 mg/l, TSS 35 mg/l, COD 125 mg/l