

## Support during construction of the 2<sup>nd</sup> Megapier (MP2)

Curaçao, 2017

### Client info:



Name: Curaçao Ports Authority (CPA)

Sector: Transportation

Location: Curaçao

CPA is a government owned company responsible for the operation of all harbors. CPA has two subsidiaries: KTK Tugs and Curaçao Pilots Organization (CPO).



**Rationale:** CPA planned to construct MP2 east of the first Megapier. In 2016, EcoVision conducted a coral inventory at the location of the planned Megapier. This study showed that the coral reef present at the MP2 location is in a very good condition with high coral cover and high species diversity in the depth zone of 5-10 meters. After an incident with anchor cables damaging the coral reef, CPA asked EcoVision for support during the construction activities, to prevent further damage.

**Approach:** We evaluated each anchor plan including 3D presentations of the anchor line, to verify if the cable does not touch the corals. We also studied the area for low coral cover locations, to be used as anchoring locations. EcoVision also guided the process of land reclamation near the head of the pier and the application of mitigating measures (silt screens, geotextile).

**Outcome:** For each location of the crane barge a new anchor plan was drafted. In several cases the initial anchor plan was adapted resulting in less damage to the corals.