

# DENIS ISLAND COASTAL PROCESSES ASSESSMENT

DENIS PRIVATE ISLAND, SEYCHELLES



## INFO:

**Location:** Denis Island, Seychelles

**Client:** Denis Private Island

**Project Date:** June 2015

## SCOPE OF WORK:

- Site visits
- Review of literature
- Satellite image analysis
- Examination of long and short-term wind and wave climate, and tidal records
- Hydrographic survey

## PROJECT DESCRIPTION:

Denis Island in the Republic of Seychelles (RoS), is located in the Western Indian Ocean on the Seychelles Bank, part of the Mascarene Plateau. On the north-western side of the island, the main complex of the Denis Private Island infrastructure lies adjacent to a sand spit.

In early 2016, the north-western sand spit of Denis Island drastically eroded. This erosion compromised vital hotel infrastructure and resulted in closure of the swimming pool. In response to these events, we were requested to provide management advice regarding coastal erosion.

This project describes the findings of a preliminary coastal processes study of Denis Island. The aim of the study is to understand the existing coastal processes so that any management decisions and/or intervention is applied within the existing system - a holistic approach.

