

Designação do projeto:
Structural Monitoring of Large Structures

Código do projeto:
M1420-01-0247-FEDER-000030

Objetivo principal:
Monitoring the state of the airport infrastructure, focusing on two components of it: the runway support infrastructure, and the berm breakwater to protect this infrastructure. It intends to develop two independent systems for monitoring (i) the displacement of the infrastructure when subjected to abnormal efforts or even by evolution over time, and (ii) the state of breakwater of protection barrier to the infrastructure, frequently subject the strong erosion caused by the strong maritime agitation in the place.

Região de intervenção:
Autonomous Region of Madeira

Beneficiário:
ANA – Airports of Portugal

Data de aprovação:	20-12-2018
Data de início:	01-03-2019
Data de conclusão:	28-02-2021
Custo total elegível:	1.281.051,70 EUR
FEDER:	594.419,03 EUR
Apoio Público Regional:	104.897,48 EUR

Objetivos:
This project has as the objective develop systems of equipments own (hardware), as well computational algorithms for data processing (software) with the respective

Atividades (resultados esperados/atingidos):
Monitoring systems were developed for integration into structural components of Madeira airport and other maritime protection works, tools were developed for: monitoring the physical state of the breakwater, subject to erosion or collapse caused by maritime action and for measurement and monitoring of deformations and a system/program for continuous monitoring in time and in the characteristics of the sea wave, which allows the evaluation and anticipation of anomalies and the programming of less costly interventions in the maritime structure of the extension of the Madeira airport runway.

Fotos

