

PROJECT

Flood Early Warning System for Industrial Production Site *Azeite Gallo*

LOCATION & COUNTRY

Abrantes, Portugal

CLIENT

Victor Guedes, S.A
Rossio ao Sul do Tejo,
Apartado 2
2206-909 Abrantes, Portugal

PARTNER

DATES

Dec 2015 – May 2016

ACTION MODULERS' MAIN TASKS

Flood Risk Assessment, Mitigation Procedures and Installation and Configuration of the Flood Early Warning System ACTION Flood.

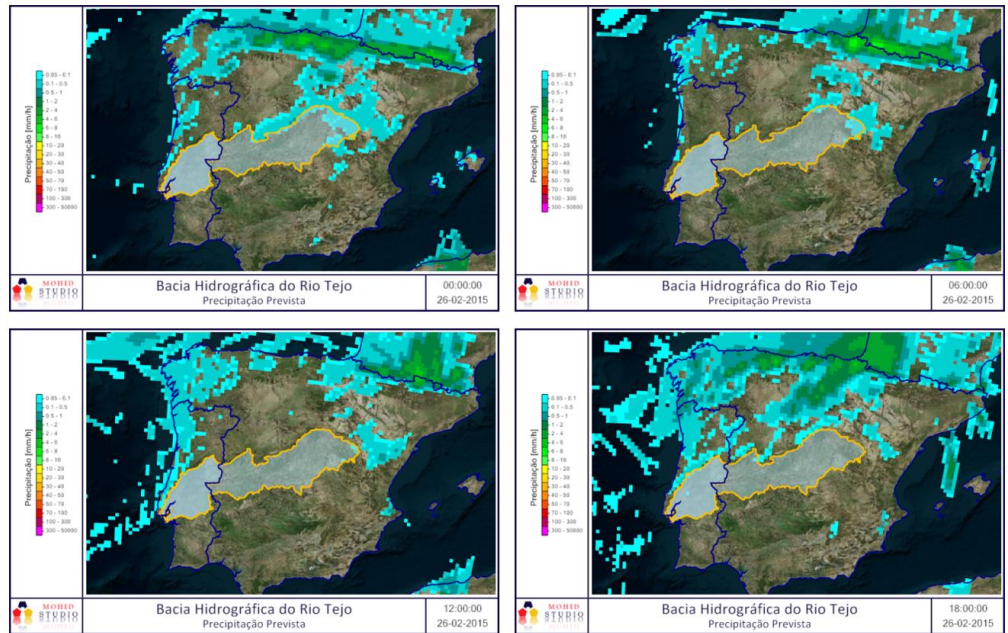
SOFTWARE & SUPPORT

Action Modulers offers a wide range of customizable software products. We also provide professional support to implement your projects.

CONTACTS

Estrada Principal, nº 29
Paz
2640-583 Mafra
Tel.: +351 261 813 660
sales@actionmodulers.com
www.actionmodulers.com

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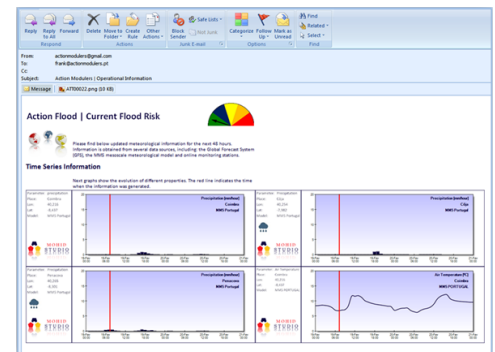


The Industrial Production Site *Azeite Gallo* is a major facility where olive oil is manufactured, bottled and packed for the global market. The installation is composed by a set of modern equipment with a very high economic value. The facility is located within the 20 years return period flood plain of the Tagus River. The latest heavy flooding occurred in 1989, when a lot of equipment has been destroyed and the production processes was interrupted during several months.

In order to mitigate the flood risk, the company decided to install a Flood Early Warning System which allows to anticipate the occurrence of floods and allow to protect and disassemble most valuable equipment.

ACTION MODULERS performed a full

flood risk assessment, using distributed MOHID Land model. Afterwards the Early Flood Warning System ACTION Flood was installed and configured for the production site *Azeite Gallo*. The configuration takes into consideration the precipitation over the Tagus River catchment, the surface runoff generated by this precipitation and the volume stored in the main reservoirs.



On a daily basis the risk the evaluated and reports are send containing the current flood risk and the key variables.