

Aratos Group now offers direct and integrated use of satellite SAR (Synthetic-Aperture-Radar) images in the integrated Disaster Management System, Aratos Disaster Control.

Aratos Group has created the integrated Disaster Management System, Aratos Disaster Control (ADC).

The system is designed for crisis management situations where it is used as an ideal tool for crisis management planning, monitoring of hazards and their assessment after the crisis.

The system can detect in almost real time the evolution and history of natural disasters (fires, earthquakes, landslides, etc.) for the area of interest, it can observe various natural phenomena and weather conditions (wind, temperature, etc.) along with their changes into an interactive GIS map environment, 24x7.

ADC consists of an amalgam of various technologies combined in an integrated architecture such as satellite images and data and GNSS signals (Global Navigation Satellite System); it processes them on an open platform using intelligent algorithms and it delivers to the user processed and meaningful information and also alerts in sms, emails. Aratos Group is capable of including satellite images and data even from contemporary satellites equipped with SAR (Synthetic-Aperture-Radar) sensors like the Sentinel-1. The SAR sensor is capable to deliver with high resolution images even in night hours or for cloudy areas, also detecting small movements on the ground which makes it capable for effective land and maritime monitoring.

We continue to innovate with space technologies since 2005.

For more information visit www.aratos.gr and www.aratosdisastercontrol.com.

