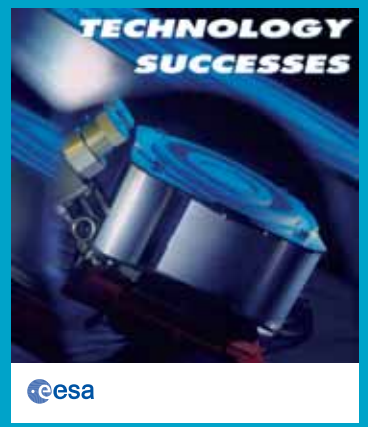
Technology awarded by the European Space Agency
SME Technology Success



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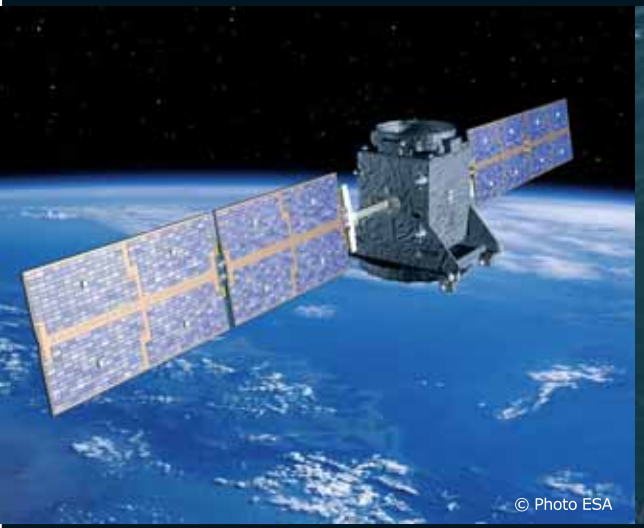
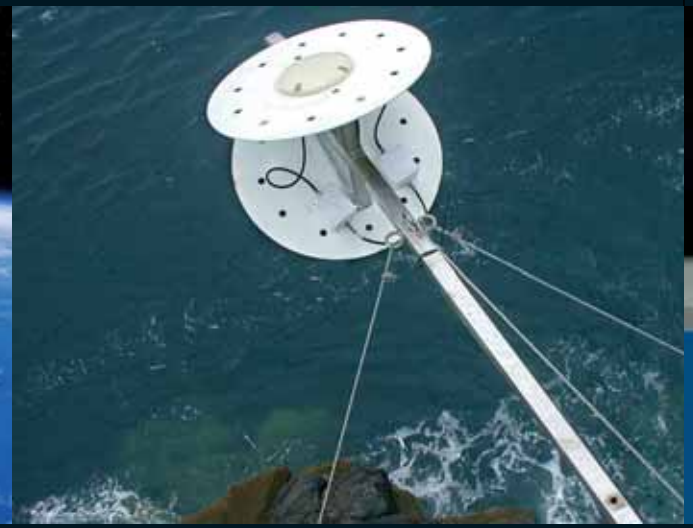
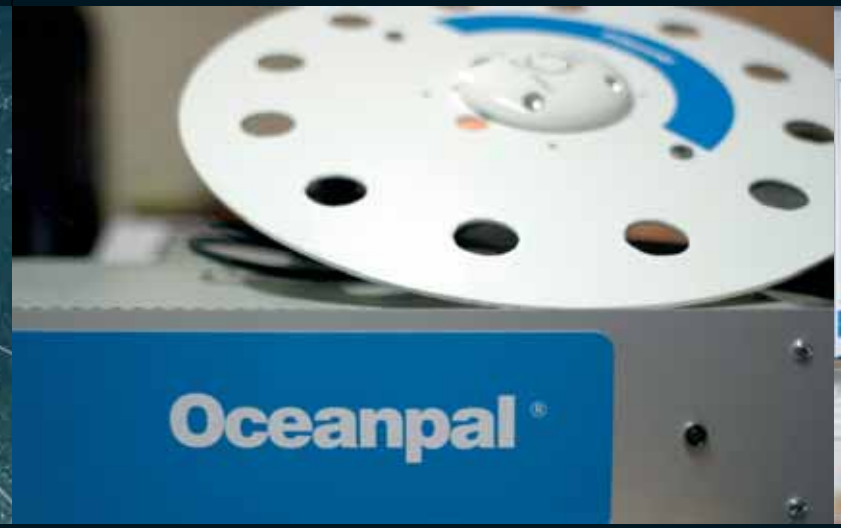
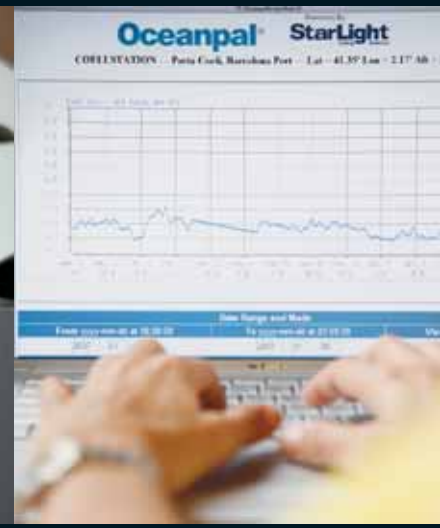
The remote dry solution for sea monitoring

Oceanpal®









Oceanpal® is an innovative system that provides sea level and significant wave height using Global Navigation Satellite Systems signals like GPS and the future GALILEO. The instrument compares direct and reflected GNSS signals to infer real time oceanographic information.

Oceanpal® is a remote dry solution. This means that, unlike buoys, it is capable of extracting sea related information without actually being in contact with water. This feature drastically reduces the cost of deployment and maintenance, and keeps it operational regardless of weather conditions.

Oceanpal provides an intuitive web Graphical User Interface, so data can easily be read from anywhere to help make the right operational and logistic decisions.

Advantages of Oceanpal:

- Dry (does not touch the water):
  - Cost effective
  - Low mantainance
  - Easy to deploy
- Works regardless of weather conditions
- Portable
- Provides real time data
- Available everywhere via a user friendly Web interface

Applications

- **Sea state monitoring**
- **Sea level monitoring**
- **GNSS-R research for future applications**

(Current monitoring, Salinity monitoring, Soil moisture, Ice detection)

User	How can Oceanpal help
Official ports	More efficient decisions on dredging and operatiions.
Civil engineering	As a portable system to collect sea data for marine infrastruture construction
Oil platforms	To reduce risk in sensitive operations
Civil protection	Real time monitoring of coastal areas
Recreational sailing ports	To provide sailors with real time data on ocean state
Shipping	Optimization of navigation routes
Space agencies	As a ground truth for space sensor callibration
Meteo	Raw data to improve models
Hydroelectric	For remote monitoring of lakes rivers and reservoires