

Press Release



**CL S,
partner of the Bouvet Rames Guyane race,
to equips all competitors with beacons**

CL S will monitor all rowers in the Bouvet-Rame Guyane 2009 event throughout the entire race. Each boat is equipped with a "MarYX" tracking and assistance beacon. These beacons are the most important components in satellite systems operated by CL S, including satellite constellations, ground receiving antenna and data processing centres. The beacons regularly transmit a message providing information concerning the boat's location. Using this tracking system, the race PC can confirm the ranking for each boat, provide the general public with maps and also improve the rowers' safety.

CL S, world leader of satellite-based data collection, installs leaktight and stand-alone beacons on each boat. The beacons transmit a message to the satellite, which, in turn, sends it to a network of ground antenna. This message is then transmitted to a CL S processing centre that operates 24 hours a day, 365 days a year. It is this processing centre at CL S Head Office that then decodes the rowers' positions and delivers the results to the race PC.

CL S, a subsidiary of CNES (Centre national d'études spatiales), IFREMER (Institut français de recherche pour l'exploitation de la mer) and various French banks, offers satellite-based services for environmental data collection, location and ocean observation to a diverse range of professionals: institutions, scientists, industrial groups etc. Within this context, CL S has forged close ties with the largest international space agencies, such as CNES, NOAA (National Oceanic and Atmospheric Administration) and enjoys EUMESAT (European Organisation for the Exploitation of Meteorological Satellites) support. The company is the global operator of the Argos system and has some 285 collaborators: 215 in the Head Office in France and 70 in its offices and subsidiaries throughout the world.

CL S has particularly close ties with explorers and adventurers; Bouvet Rames Guyane rowers like Emmanuel Coindre and Romain Vergé, extreme environment explorers such as Jean-Louis Etienne, science travellers like Stéphane Lévin or navigator like Maud Fontenoy. CL S provides them all with the required equipment and continuously monitors their progress.

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