



GEM elettronica



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ITALIAN TECHNOLOGY FROM GEM ELETTRONICA PLAYS IMPORTANT ROLE IN ORACLE TEAM USA VICTORY IN AMERICA'S CUP

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The strapdown gyrocompass based on state-of-the-art Fiber Optic Gyroscope technology offers a highly reliable and cost effective solution for commercial and military vessels both. It gives an accurate, real-time reading of true north as well as control of attitude without need of GPS.



GEM elettronica/Fiber Optic Gyro:
POLARIS FOG-200

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ORACLE TEAM USA/Photo: Guilain GRENIER

and deservedly win the 34th America's Cup race. "In addition to the tremendous skills, fortitude and determination shown by skipper Jimmy Spithill and his ORACLE TEAM USA" said Giuseppe Merlini, President of GEM elettronica "we like to believe that also our FOG system played an important role in making sure the boat performed impeccably. We are pleased and honored to have contributed with our technology to this important and exciting victory".

The Italian company GEM elettronica – specialized in design and manufacturing of advanced maritime sensors – had the great opportunity of providing one of its state-of-the-art Fiber Optic Gyroscope (FOG) to the ORACLE TEAM USA boat which successfully defended its America's Cup trophy on September 26. As well-known, Oracle Team USA staged a massive comeback in San Francisco Bay to beat Emirates Team New Zealand



ORACLE TEAM USA/Photo: Guilain GRENIER

On his part, Ian Burns - ORACLE TEAM USA Head of Performance – stated that "along with athleticism and boat design, an important factor in the 34th America's Cup is technology. We are very pleased to be working with GEM Elettronica who supported us by providing inertial navigation systems that accurately measure position and motion to the millimeter. Their technology is linked to our success."

GEM elettronica FOG is based on advanced Fiber Optic Gyroscope technology to provide Attitude and Heading Reference System (AHRS) and Inertial Navigation System (INS). With the GEM FOG system, ORACLE TEAM USA boat had real-time reading of true North, position, linear velocity, roll/pitch and angular rates without the need of any GPS.

GEM Elettronica is located in San Benedetto del Tronto (Italy) and since 1977 it has been on the cutting edge of R&D, design and manufacturing of naval electronic systems for military and commercial applications.