

# ACSA Underwater GPS to Track Neutrinos

After relocating early in January 2004, the Sharm-El-Sheikh airplane black boxes in 1000 m of water depth, ACSA Underwater GPS goes deeper.

The Italian Institute For Nuclear Physics, INFN, has ordered a set of synchronous beacons that will be laid in 3000 m to position an unlimited number of neutrinos detection spheres. The spheres will be occupying a cube having one kilometer in all dimensions.

The system composed of seabed synchronous beacons and acoustic digital receivers mounted inside the glass spheres will offer a submetric accuracy . Delivery of the system will take place in 2005. For this application, ACSA will introduce a new powerful patented technology known as Time Spectral Spread Codes, â€TSSCâ€™™.

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