HANOHANO is a proposed 10 kiloton liquid scintillation detector designed to be transportable and deployable in the deep ocean. For particle physics use it can be positioned 50km offshore from a reactor complex and make measurements of the unknown neutrino oscillations mixing angle θ_{13}. Moreover if this angle is not too small it can determine the neutrino mass hierarchy, in a means not dependent upon matter effects, and relatively insensitive to systematic effects.

The other goal is to measure for the first time the neutrino flux from Uranium and Thorium from the Earth's mantle. This opens a new field, after the initial crustal neutrino detections from KamLAND, and will help solve the mystery of the source of heat in the earth. The heat which drives tectonics and the geomagnetic field remains controversial in source and magnitude.

Initial engineering and design studies have been carried out, along with some critical laboratory tests, and feasibility has been established. We will describe the status of the project and the science it can achieve.