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BUTSURI-TANSA(Geophysical Exploration)

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[\[Image PDF \(2103K\)\]](#) [\[References\]](#)**Development and case studies of the new submarine electric sounding system**Makoto INOUE¹⁾

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ABSTRACT Submarine electric sounding, which is conducted by towing a measuring cable behind a survey vessel, is a kind of electrical survey methods below sea surface. This method is applied to investigate dredging areas of channels, geological structures and mineral resources at offshore areas in foreign countries. In Japan, only some field tests of the method were carried out during 1950-1953 and in 1965. A new survey and analysis system is developed using the latest innovation techniques. After some field studies, this system has been improved for the practical use and is proved usefulness for marine engineering surveys. This paper describes the outline of the developed system and case studies of it.

Key words: submarin electric sounding, survey system, analysis system, marine engineering survey

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