

Improving Water Supply with GIS in Vietnam Expansion in waterworks sector overseas

Kokusai Kogyo Co., Ltd., part of the Kokusai Kogyo Group (Kokusai Kogyo Holdings Co., Ltd., securities code: 9234, Head Office: Chiyoda-ku, Tokyo, Japan, President and Chief Executive Officer: Sandra Wu, Wen-Hsiu) (hereinafter Kokusai Kogyo) which aims to bring about *green communities*, is to undertake a survey to consider the introduction of a GIS water supply system for the Thua Thien Hue Water Supply Company (hereinafter HueWACO) in Thừa Thiên-Huế Province*¹ in the central region of the Socialist Republic of Vietnam (hereinafter Vietnam).

As urbanization spreads into the suburbs, the efficient management of the rapidly-expanding water supply network has become an issue of some urgency for HueWACO, which handles the water supply in the Province. The Kokusai Kogyo Group established a representative office in Hanoi, Vietnam, in September of last year, and since then has been engaged in locally-tailored marketing activities. The present project will be the first instance of an overseas enterprise undertaking work for a state-run water authority.

Until now Kokusai Kogyo has been involved mainly in water supply planning in public administration and ledger management, business support and so on using geographic information systems (GIS). The water supply facility data management system *Seseragi*, a proprietary service it has offered since 1996, maximizes efficiency of water supply facility maintenance using GIS, and is being used by 239 clients in Japan, most notably Yokohama City. In addition to this the Group also has a good record as a designated administrator of water supply projects.

The present survey will consider the introduction of *Seseragi* to optimize the maintenance of large-scale water-supply facilities required by HueWACO.

In recent years, emerging nations undergoing marked economic development are experiencing, along with an increase in the demand for water, rapid growth in the scale of water supply-related markets. There are also, in order to ensure a stable water supply, active moves to outsource the running of the water supply business by means of public-private partnerships (PPP). The Kokusai Kogyo Group expects that this venture in Vietnam will mark the start of expansion in the region of its water-related solutions; based on the geospatial information technologies it has cultivated since its inception, its past record in the construction of social infrastructure, and the know-how gained in the present enterprise.

*1: Outline of Thừa Thiên-Huế Province (Vietnam)

The Province is situated in the central region of Vietnam, and has a land area of approximately 5,000km² and a population of approximately 1.2 million. The capital of the Province, Huế City, which during the Nguyen dynasty was the Imperial capital, has a population of approximately 360,000. The city is experiencing rapid urbanization, and expects to become a centrally-controlled municipality by 2015. Over 90% of the city has access to the water supply. The city boasts the best water quality in Vietnam, so much so that it has issued a *Declaration of Safe Drinking Water*.

With the agricultural areas on the outskirts of Huế City in the process of becoming urbanized, the provision of a stable water supply is a pressing issue.

Socialist Republic of Vietnam



Thừa Thiên-Huế Province

Reference

About the Kokusai Kogyo Group

[\(http://www.kk-grp.jp/english/\)](http://www.kk-grp.jp/english/)

Ever since its establishment, the Kokusai Kogyo Group has contributed to the construction of social infrastructure. The Group implements the practical application of GIS, which makes possible the advanced analysis of a wide range of geospatial information obtained through the maximal use of state-of-the-art measurement technologies, to implement projects in administrative support, national land conservation, urban and regional design, disaster prevention, post-disaster reconstruction, etc. At the same time, the Group is adapting for the private sector, at home and abroad, the geospatial information consulting technologies that in the past it has provided mainly to government agencies. In addition to expanding and promoting its business to include services that meet these new needs, the group is also actively developing global services aimed at the overseas market.

The Kokusai Kogyo Group's definition of *green infrastructure* is environmentally-friendly social infrastructure and social capital that makes practical use of renewable energies. Backed up by its track record and social infrastructure technologies cultivated over many years both at home and abroad, and by its expertise in renewable energies, the Group is helping, through the development of safe, secure and low-carbon communities, to make the *green communities* demanded by the times into a reality.

- Company: Kokusai Kogyo Holdings Co., Ltd.
- Stock exchange listing: First Section of the Tokyo Stock Exchange (Securities code: 9234)
- Head Office: 2 Rokubancho, Chiyoda-ku, Tokyo 102-0085, Japan
- Capital: 16.939 billion yen
- President & CEO: Sandra Wu, Wen-Hsiu
- Number of employees: 2,115 (consolidated)
- Number of subsidiaries: 24 domestic companies, 41 foreign companies

About Kokusai Kogyo Co., Ltd.

(<http://www.kk-grp.jp/english/>)

Kokusai Kogyo Co., Ltd. is a subsidiary of the Kokusai Kogyo Group and is a leading company in geospatial information consulting. In the more than 60 years since its establishment, the company has constantly developed state-of-the-art geospatial information technologies, and its core business has been geospatial information consulting that offers high-value-added geospatial information, adding various kinds of statistical information to highly-accurate measurement data and high-definition image data. It is currently aiming for the creation of a society in which all kinds of information are available to be used anywhere, anytime, by anyone, focusing on the themes of 3D, real time and ubiquity.

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