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## **Qatar University awards Chiyoda Corporation & Chiyoda Almana the EPI Contract for a Vegetable Factory Pilot Project in Qatar**

Qatar University's Centre for Sustainable Development creates integrated knowledge and collaborative arrangements to solve the pressing issues of sustainable development of water and food security and protecting Qatar's environment while reducing the long-term impacts of climate change. **Dr. Hareb M. Al-Jabri and Dr. Mohammed H. Alsafran**, having formed a research team, sought international and internal partners to explore non-traditional solutions to meet the challenges associated with national food security.

To support their vision and promote educational and cultural exchange between Qatar and Japan, Qatar University will design and construct a Vegetable Factory Pilot Plant on their premises using US \$6million sponsorship funds provided by Marubeni Corporation, a Japanese diversified trading conglomerate. The university signed a sponsorship Memorandum of Understanding with Marubeni in 2012 for activities such as an Arabic Encyclopedia describing Japanese culture and history, inviting Qatari University students to Japan, holding Japanese cultural events at Qatar University and establishing a faculty chair in Japanese studies to foster the understanding of Japanese culture.

The unconventional technology for the facility is compatible with Qatari environmental conditions for water, area constraints and high temperatures, traditionally characterized by the absence of a link between production and the environment, which maintains production, quality and safety. The research team aims to adapt project ideas, especially the cooling and power supply systems, to suit Qatar's unique environmental conditions.

Chiyoda Corporation has been awarded the engineering and procurement of the plant's cultivation equipment and Chiyoda Almana, their wholly owned subsidiary, will provide advisory services and is responsible for the equipment's transportation (overseas and inland) and installation.

The research team selected Chiyoda Corporation and Chiyoda Almana because of their long history of successful hydrocarbon project execution in Qatar, and many others related to the environment, and for their experience in developing innovative technologies in agriculture and vegetable production. Both companies are seeking to expand their collaboration with Qatari entities and Government authorities to provide solutions for environmentally friendly energy and conduct business activities that contribute to environmental conservation.

### **About Qatar University**

Qatar University has served as the state's primary institution for higher education since its inception in 1977 and has emerged as an academic and research center of excellence. In addition to its college and departmental laboratories, the university boasts a state-of-the-art research complex with 14 research centers currently collaborating in over 400 projects in 130 countries. The university is committed to providing high quality education in areas of national priority as documented in the state development plan; "Qatar Vision 2030". Guided by an ambitious five-year road map, research forms an integral part of the university's vision, directly conforming to the country's knowledge-based society development agenda. These include energy, the environment, resource sustainability, social change and identity,

population, health, wellness and information and communication technology (ICT). In addition to teaching and research excellence, the university is committed to maintaining international best practices through program and course accreditation by leading certifying bodies around the world. A remarkable improvement in the university's ranking in recent years is a testament to the consolidated efforts of all stakeholders and a milestone towards realizing the Qatari Vision 2030.

#### **About Chiyoda Corporation**

Chiyoda Corporation is headquartered in Yokohama, Japan and provides engineering, procurement and construction (EPC) services in the fields of gas processing, refineries and other hydrocarbon or industrial facilities around the globe, particularly Gas Value Chain projects. Chiyoda has actively contributed to Qatar's development since the 1970's and has completed mega-projects in Ras Laffan Industrial City including EPC work for 12 of the 14 LNG trains in Qatar.

#### **About Chiyoda Almana**

Chiyoda Almana, a local project delivery service provider was established by Chiyoda in collaboration with Almana Trading Company (local Qatari company) in 2008. Chiyoda Almana provides comprehensive services to Qatari clients on over 320 projects throughout all lifecycle phases in the fields of LNG, gas, oil, petrochemicals and non-hydrocarbon applications such as waste water treatment and flare reduction.

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