



**KAJIMA**

NEWS & NOTES

Winter 2001

Vol. **19**

KAJIMA'S  
NEW SCHOOL CONCEPT

# KAJIMA'S NEW SCHOOL CONCEPT

Today, the field of schools and education is being carried forward on an upswell of ideas that surpasses anything ever before experienced. The impetus has arisen out of a declining birthrate, an aging society, internationalization, interdisciplinary programs, and such new developments as lifetime learning and links to industry, and the rapid uptake of IT. The

revolution in education requires the construction industry to respond to the issues with a "total" solution. It is no longer sufficient to simply provide the educational "hardware" in the form of school buildings. The building industry is also expected to put forward "soft" proposals in relation to educational systems and school administration and management.

Kajima has stepped beyond the traditional bounds of its industry. Kajima's response to the diverse issues confronting our clients has been to adopt an approach that is based on providing a total solution for schools and education. In 1996, we handpicked 40 specialists, cross-disciplinary staffs from the fields of marketing, design, development, and IT. They were put together

as a Schools and Education Project Team, and set hard to work. Kajima's "Three Solutions for Schools and Education" arose from the work of the Project Team.

Solution 1 addresses issues relating to facilities. The focus is on imbuing a campus with originality and creating a space that encourages students to dream. Solution 2





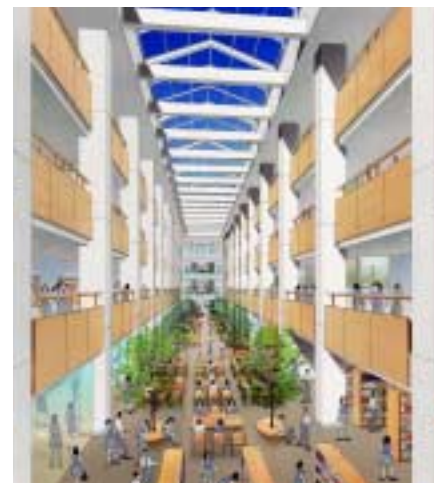
addresses issues relating to the use of IT. A learning support system that leverages information technology is essential in the modern educational frontline. Such an environment calls for solutions to a number of diverse issues, including access to a media center, media literacy, the use of multimedia in the classroom, and providing students with networked services. Solution 3 addresses issues relating to support for school administration. Kajima's proposals involve modelling school management in the context of a declining birthrate. A number of scenarios are

posited, such as at what point, in the long term, a school will need to be rebuilt, what the scale of the investment will be, and the introduction of profit-making ventures designed to secure stable income flow, and optimum solutions are explored. Several private schools have already approached Kajima to look at their situation, and work has begun on developing proposals. The aim is to maximize school potential.

Kajima's latest deliverable facility embodying those solutions is the Seinan Gakuin Junior-Senior High School library. The focal point of the facility is the

library, which takes the form of a media center designed to support people-to-people interaction and information exchange. The new library has discarded the image of an individualistic, closed, self-study space, and is instead positioned

as a bright, open, comprehensive, learning support center. The atrium of the Seinan Gakuin library forms the core of interaction and information exchange, and is one example of how Kajima gives spatial expression to the information age.





In the case of Osaka Gakuin University, the building holding the information-related faculties has been configured to incorporate a multimedia and information environment. It is based on four basic design concepts: Everything in Digital, Information Everywhere, Class on Demand, and Open Environment.

One tool that helped turn concept into reality was the Caddie system for unified management of lecture materials, developed from research conducted in collaboration with the Massachusetts Institute of Technology (MIT) in the United States.

The Caddie system itself was developed by Korgi, Inc., a company founded by Professor John R. Williams, director of the MIT Intelligent Engineering Systems Laboratory, and Kajima was responsible for localization in Japan. Kajima has been collaborating with MIT on research for almost a decade, specifically with the Civil and Environmental Engineering Department, and the Intelligent Engineering Systems Laboratory. In actual Caddie operation, teaching staff register a lecture name, which initiates automatic generation of a site enabled for course management. Students

initially access the top page to check the course outline and schedule. Material used in the course is sorted according to lecture date, enabling students to access content any time, from anywhere. Students can gain a better understanding of a lecture by linking to a video recording, and that facility gives the university's intellectual property wider currency.

The Internet-based Caddie system and facilities that cater to distance learning are both responses to clients' calls for greater exchange with educational institutions outside Japan, and the

Caddie system makes full use of off-campus symposia and seminars.

The potentiality of next-generation education systems as conceived by Kajima has taken root in a completely new educational space in which network infrastructure and IT are merged. The project opens a window on Kajima's vision for "Forming people and societies—a new destiny for the construction industry."

# Kajima around the World

## From the United States

### 33rd Japan-U.S. Midwest Annual Joint Meeting

The 33rd Annual Joint Meeting of the Japan-Midwest U.S./Midwest U.S.-Japan Associations convened in Wichita, Kansas, from Sunday, September 9, through Tuesday, September 11, 2001, with 100 delegates from Japan and 160 delegates from the United States, for a total of 260 participants. The meeting was co-chaired by Kajima Chairman Rokuro Ishikawa and Senator Nancy Kassebaum Baker.



In line with the main theme of the meeting, "Creating a Global Advantage in the Information Age," participants discussed "Technology's Impact on Agribusiness, Manufacturing, and Distribution," "Technology's Impact on Trade and Investment in Global Markets," and "Strengthening U.S.-Japan Ties in the Information Age."

The meeting featured Kansas Governor Bill Graves, Japanese Ambassador to the United States Shunji Yanai, U.S. Ambassador to Japan Howard Baker, former U.S. Ambassador to Japan Michael Armacost, and JETRO Chairman & CEO Noboru Hatakeyama.

The news on the morning of September 11 of the terrorist attacks in New York and Washington shocked all the participants. After a one-hour suspension, the meeting resumed with a one-minute silent prayer for the victims of the tragic incidents. Shortened from the original scheduled agenda, the meeting ended successfully at noon thanks to everyone's great efforts and cooperation.

Delegates agreed to meet again in Tokyo, Japan, from Sunday, September 8, through Tuesday, September 10, 2002, at the 34th Annual Joint Meeting of the Associations.



*Note: The Japan-Midwest U.S./Midwest U.S.-Japan Associations were established in 1967 with the aim of promoting Japan-U.S. Midwest trade and investment and strengthening economic ties of both countries through mutual exchange in the field of industry, technology and culture. The joint meeting is convened annually by business executives and opinion leaders from Japan and 10 U.S.-Midwest states including Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, Ohio and Wisconsin.*

## From the United Kingdom

### Groundbreaking Ceremony for the City of London Development

On September 7, 2001, Kajima Europe BV (KE) celebrated the groundbreaking ceremony for a future landmark office building in the City of London. The 27,700-square-meter (298,000-square-foot) office project, One London Wall, is managed by a joint venture between KE and a leading U.K. property developer, Hammerson plc.

Among the many guests on hand for the festivities were Takayasu Mimura, a director of Kajima Corporation, and Fujio Suzuki, president and CEO of KE. Together with John Richards, chief executive of Hammerson plc and Sir William McAlpine, partner of Sir Robert McAlpine, they buried a 'time capsule' containing company brochures, the *Times* newspaper for that day, the groundbreaking certificate, and some British coins.

Designed by Foster and Partners, a world renowned architect, the upper floors of the 13-story, prestigious building will have magnificent views over St Paul's Cathedral and the City. The site features the original wall that protected the Roman garrison over 2,000 years ago. The Foster's design is a response to this juxtaposition of old and new. Typically, tenancy floor-areas will be 1,300 to 1,900 square meters (14,000 to 21,000 square feet). The project is due for completion in summer 2003.



## From Singapore

### Kajima: The First Choice by UMCi for 12-Inch Wafer Fab

UMCi Pte. Ltd., a Singapore-based subsidiary of leading wafer foundry UMC (NYSE: UMC) established jointly with Germany's Infineon Technologies AG and the investment branch of Singapore's Economic Development Board (EDBI), awarded the construction contract for its 12-inch facility to Kajima Overseas Asia Pte. Ltd. The groundbreaking ceremony for the project was held on April 12, 2001.



Singapore's first 12-inch wafer fab, designed by JTC Consultants/RSP/SM, located on a 13-hectare site in the Pasir Ris Wafer Fab Park, will be built in two phases. The first phase, now under construction, will be delivered in the third quarter of 2002.

"We chose Kajima Overseas Asia to build the fab structure for UMCi due to their extensive fab construction experience and expertise. We engaged with them for the

initial piling stage of this project, and were very satisfied by their performance,” said Mr. Chris Chi, President of UMCi, at a press meeting in Taipei. The same message was delivered worldwide through various media and appeared on UMC's website (<http://www.umc.com>) as well.



## Kajima USA Responds to WTC Attacks

More than a month later, the events of September 11, 2001 still weigh heavily on the minds of U.S. residents. Nobody will ever forget what they were doing and where they were on that date. The worst terrorist attack in U.S. history has had a deep impact on people's daily lives, affecting businesses as well as relations on a personal level. This was no different for Kajima USA, which as a U.S. contractor based in the New York City metropolitan area, has strong ties to Japanese companies in lower Manhattan.

Fortunately, no employees of Kajima were victimized by the attacks, although a few were either in one of the buildings or the immediate area at the time and escaped unharmed. However, some of our major clients, such as Fuji Bank and Industrial Bank of Japan among others, were not as lucky. These longstanding clients were tenants of the World Trade Center (WTC) Towers and lost employees as well as thousands of square feet of vital office space. The Kajima USA group had designed and built interior projects at the WTC for many years for these and other clients. But by the late morning of September 11 all of this office space was gone, the impact of which would have an obviously serious effect on the business of these clients. The Kajima USA group responded immediately by aiding both the relief effort and those clients in particular that were affected.

First, the company donated many pairs of gloves, hard hats, particulate respirators, goggles, and work clothes for the tremendous rescue and recovery effort that continued throughout the day and night. We have also been providing backhoes for debris removal, through our subcontractors.

Then we mobilized personnel as quickly as possible to reach out to the clients we knew occupied the WTC to offer our help in any way. Kajima was able to help these firms by doing what we do best—building office space! In this situation, we were asked to find immediately available space and then build temporary yet efficient workplace environments as quickly as possible. We cooperated with real estate brokers and provided clients with information about potential office sites. As of this writing, we are in the process of constructing five temporary office projects. Most of these clients plan on occupying the space by next spring, and Kajima USA will be there to assist them in any way we can. We will also be there to offer our construction know-how in rebuilding part of New York City.



KAJIMA CORPORATION

*Head Office*

2-7, Motoakasaka 1-chome,  
Minato-ku, Tokyo 107-8388, Japan  
Telephone: 81-3-3404-3311  
Facsimile: 81-3-3470-1444/5

KAJIMA CORPORATION

*International Division*

28th Floor, Shinjuku Park Tower Building,  
7-1, Nishishinjuku 3-chome,  
Shinjuku-ku, Tokyo 163-1028, Japan  
Telephone: 81-3-5324-5880  
Facsimile: 81-3-5324-5827

KAJIMA U.S.A. INC.

1251 Avenue of the Americas, 9th Floor,  
New York, NY 10020-1104, U.S.A.  
Telephone: 1-212-355-4571  
Facsimile: 1-212-355-4576

KAJIMA EUROPE B.V.

*London*

Grove House 248 A, Marylebone Road,  
London NW1 6JZ, U.K.  
Telephone: 44-20-7465-0007  
Facsimile: 44-20-7465-8788

KAJIMA OVERSEAS ASIA PTE. LTD.

80 Marine Parade Road,  
#06-02/06 Parkway Parade,  
Singapore 449269, Singapore  
Telephone: 65-339-8890  
Facsimile: 65-339-1985

URL: <http://www.kajima.co.jp/>