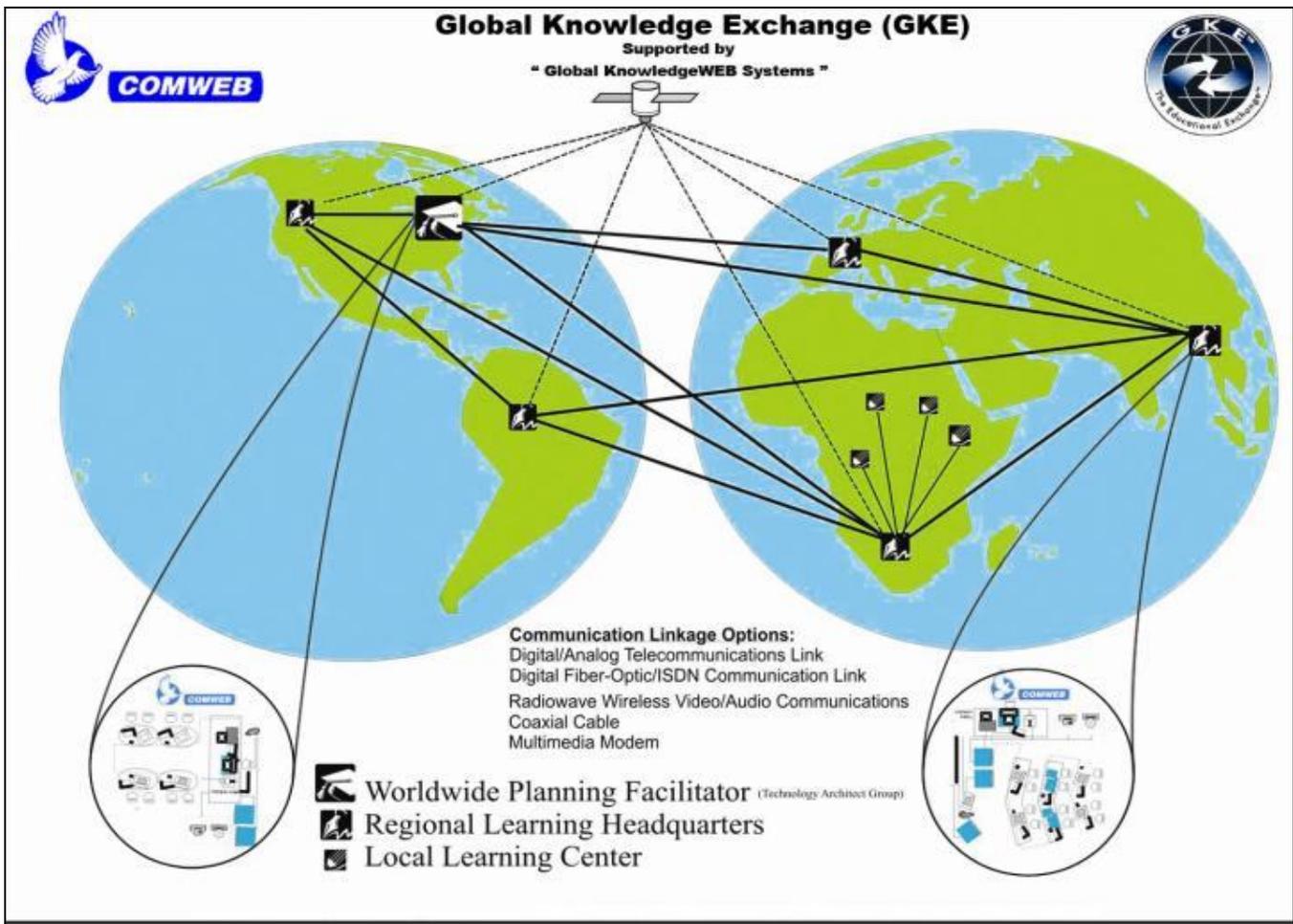




The KnowledgeWEB Learning Systems
And
The “Global Knowledge Exchange” (GKE) Program
Global Learning Infrastructure Development to Support
The Next Generation Distributed-Based e-Learning and Education Communities with
Potential Major Productivity Improvement by practicing Knowledge Automation, Knowledge
Management, and Global Knowledge Exchange Programs

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We are living in a “Knowledge Era” in which knowledge is power and learning rapidly and competently are a requirement for global success. In response to this new imperative, educational institutions together with corporate training departments (including the many new Corporate Universities) are hurrying to complete new technology-based classrooms and learning centers. The best of these new facilities integrate a seemingly unlimited array of information sources. They function as highly flexible, continuously updated, general-purpose, multimedia oriented and distributed-based learning environments.

This presentation is a **progress report** by Mr. Chang on his experiences during the past 15 years working with educational institutions of every type and size as well as leading corporations to re-engineer more than **2,000 technology-based classrooms and e-Learning centers** worldwide. Mr. Chang calls these new technology-supported and highly-interactive electronic learning environments “**KnowledgeWEB Classrooms**” (“e-Learning Centers”). The emphasis here is on the human component, not the technological component – i.e. on the “human network,” not the bandwidth. He will summarize his experiences about the functional requirement for the design of 21st Century **Global Learning Infrastructure (GLI) Development** to support the future of **Distributed-Based Learning and Education Communities**.

In the implementation of an innovative “**Global Knowledge Exchange Program**” (GKE™) in the US and Pacific-Rim Countries during the past 10 years, The GKE™ program provides a **KNOWLEDGE EXCHANGE SYSTEM** and methodologies which facilitate knowledge brokerage and management services, similar to the New York Stock Exchange. GKE™ serves as the organizational and management services similar to investment banking firms or stock brokerage firms. GKE™ also serves as the organizational and technological infrastructure necessary for the effective exchange and management of worldwide educational programming via distance learning for both the educational and corporate marketplaces. Through GKE™, “**knowledge providers**” and “**knowledge recipients**” are brought together through a global, yet localized, GKE™, organizational support system. At the same time, GKE™ worldwide organizations also function as a marketing channel for “**knowledge brokers**” and “**Knowledge Facilitators**”.

The Global Knowledge Exchange Program (GKE™) is guided by a vision of education and training in the 21st century. **The ultimate goal is to interconnect many of the existing 2,000+ “KnowledgeWEB Classrooms” into a single “Global KnowledgeWEB Learning Systems.”** Hundreds of sites in North America and Europe will link routinely with sites in the Far East and elsewhere utilizing a hybrid digital-analog, synchronous-asynchronous approach that combines internet/intranet with live video and data-conferencing tools supported by next generation personal knowledge Management tools as well as classroom knowledge Automation systems. **The end product is an infinitely scalable network of “e-Learning Centers” available as a shared resource for the entire worldwide education and corporate communities.** No simple education institution or corporation, no single country, could attempt such a project on its own. But the right kind of technology-supported learning delivery system under the neutral umbrella of “**Global Knowledge Exchange**” is a powerful and essential force for “**sustained knowledge development**” in the 21st Century Knowledge Society environments.

The great shortage and uneven distribution of teaching & training professions around the world, in particular, in the knowledge-intensive industry, the traditional approach to solving the teacher shortages and at same time to increase the quality of services is simply not practical and un-realistic. We must try to seeking to increase the teaching and learning productivity by deploying not just the e-learning technology, but it also focus on create a global learning support infrastructure such as Global Knowledge Exchange program or other global initiatives. We need to actively pursuit the sharing of the global education resource supported by the next generation technology-enhanced knowledgeWEB classroom learning environments including practicing of knowledge Automation, Knowledge Management and Global Knowledge Exchange Programs.