

## **Biography : Marc Bage, Ph.D., P.Eng.**

Marc Bage is a network architect. He specializes in optical technologies (SONET, Gigabit Ethernet, WDM, OADM, optical amplifier, ...) for broadband services (IP, ATM, Digital Cross-Connect, ...). Acting as an independent consultant, he offers his technological expertise and his management experience within the framework of **giga.Com inc.**

Marc Bage is active in telecommunications strategic planning and in network planning (needs analysis, network design, requirements, requests for information, request for proposals, bid analysis, negotiations with vendors, selection of products and services, and due diligence). Also Marc Bage has a solid experience in the R&D of optical products. He acts as invited expert at the European Commission in Brussels for the evaluation of research proposals and the audit of selected projects (ACTS and IST Programs). He did participate in the development of the architecture of the RISQ network (IP, POS, Gigabit Ethernet, WDM).

Marc Bage has demonstrated his managerial expertise as

- Director , Optics at VIPswitch, responsible for the development of the internal optical capabilities, in particular the timely selection of optical interfaces and the development of new functionalities;
- Associate Director, DMR Group where he was responsible for the telecom consulting practice in Montreal;
- Project leader of a successful bid (\$ 4 M) for a system integration project on behalf of Motorola;
- Chief Engineer, responsible for the delivery of the feasibility study and the request for proposals for the integrated network of the Government of Quebec (RICIB);
- Chief Engineer, responsible for the delivery of the cabling strategy, of the recommendations for cabling standards, and of management processes applicable to the buildings of the Government of Quebec.

The clients of **giga.Com inc.** belong to many business sectors : Cable Companies (e.g. Cogeco), specialized networks and new carriers (e.g. RISQ, Synapse, Alphanet, Optel), public sector (e.g. Government of Quebec) and public utilities (e.g. Government of Quebec, Hydro-Quebec), telecom vendors (e.g. Nortel, Lucent); manufacturing industry (Grupo Vitro) and financial institutions in Canada (Capital Télécom, Groupe La Laurentienne) and in Mexico (Prosa).

Marc Bage is a member of the Order of Engineers of Quebec and of IEEE. He holds a Ph.D. from the University of British Columbia and a M.Sc. from Laval University, both in Electrical Engineering.