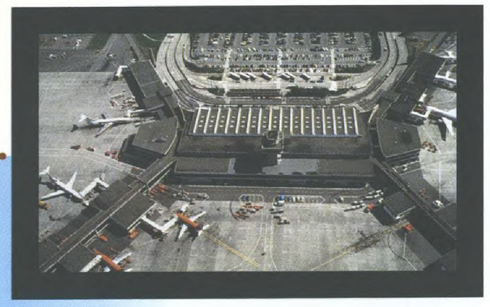

Areas of Canadian consulting expertise include:

- AERONAUTICAL ENGINEERING AND SPACE TECHNOLOGY,
- SEA PORT AND AIRPORT DEVELOPMENT, MAINTENANCE AND MANAGEMENT,
- TRANSPORTATION, SYSTEMS AND ELECTRICAL ENGINEERING,
- TRANSPORTATION PLANNING,
- TRANSIT MANAGEMENT,
- POLICY DEVELOPMENT,
- FISCAL PLANNING,
- RAPID TRANSIT DESIGN,
- COMMUTER RAIL SYSTEMS,
- URBAN BUS SYSTEMS,
- DESIGN AND OPERATION OF MULTI-MODAL TERMINALS,
- PRICING AND INFORMATION SYSTEMS,
- OPERATING AND MAINTENANCE STRATEGIES,
- DESIGN AND CONSTRUCTION OF RAIL PLANTS,
- ENVIRONMENTAL ASSESSMENT STUDIES,
- COMMUNICATIONS AND DATA COLLECTION,
- SYSTEMS FOR THE ELDERLY AND DISABLED,
- HEATING AND AIR CONDITIONING.

Canadian consultants are at the forefront of the international market for services such as the development and application of management information systems, intermodal operations, supervision of rail construction and locomotive rehabilitation programs.

Canadian-made equipment is installed at airports around the world. Canadian firms have provided experts in air traffic control, airport management systems, meteorology, and in the architecture, engineering and construction of airports in many countries. Canada's capabilities for sea port development range from sophisticated modern container terminals for general cargo to specialized single-purpose installations for the handling of bulk commodities and vessel-traffic management systems.

THE FUTURE

One of the ironies of economic development in the 1990s is that many of the countries that have demonstrated the greatest potential for growth cannot realize that potential fully because of transportation tie-ups.

STAKEHOLDERS IN CANADA'S TRANSPORTATION INDUSTRY HAVE COME TOGETHER TO HARNESS ADVANCED TECHNOLOGIES.

In some countries traffic gridlock is common, costing all sectors of the economy time and money.

Canada continues to develop technology and systems that help make all types of transportation move more quickly and reliably. The development of advanced, intelligent systems that apply computer, communications and sensor technologies to transportation problems has been under way in Canada since the early 1980s.

In recent years, leading private and public-sector stakeholders in Canada's transportation industry have come together to formulate a strategy to harness advanced transportation technologies and to address the safer, speedier and more reliable movement of all kinds of traffic.

Provincial transportation ministries, federal research and program organizers, municipal agencies, leading transport operators (truck, transit and rail), consultants, universities and colleges are contributing to the development of high-tech solutions.

These groups have formed a national committee now known as Intelligent Transportation Systems Canada (ITS Canada). The stakeholders in ITS Canada have several action plans in place to further the design and application of advanced ITS technologies.

These technologies have already led to improved traffic management in congested urban areas, better compliance with weight and other safety regulations on commercial vehicles, and the minimization of waiting time at weigh-stations and border crossings. They have led to automatic toll collection systems that no longer require commercial vehicles to stop on toll roads.

The improved management of all kinds of vehicle fleets – including taxis, ambulances, and vehicles used by police, utility companies, governments and the military – has led to cost reductions and improved consumer service on a massive scale. Early warnings of possible road hazards have led to a reduction in fatalities and property damage.

No country can maximize its growth potential if it cannot move goods and people quickly and safely. Canada has had considerable experience in transferring ITS technology to other countries. Canadian firms have already established many international partnerships to facilitate such technology transfers and are looking for more.