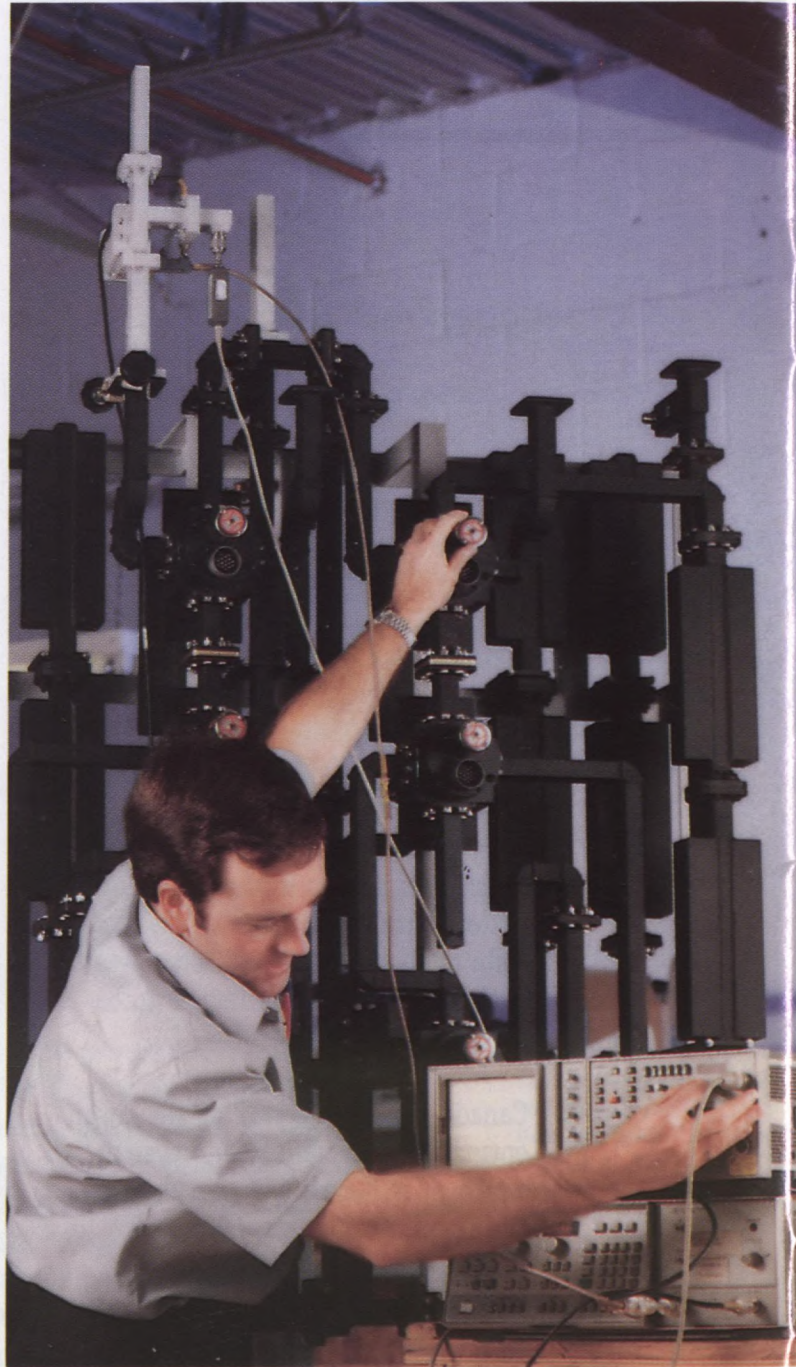


Canadian telephone companies have also developed a major database containing all radio communications sites within Canada and adjacent United States areas. This system contains the radiated power levels, frequencies, and radiation patterns for each site. Using this system, subscribing companies can readily determine whether their radio frequency plan is sound.

To provide operational support for large and complex communications networks, Canadian companies have developed computer-based systems that manage the network, control inventory, assign repair staff and maintain plant records. Through network monitoring, companies can now identify circuit degradations and rapidly pinpoint failures. Systems can be efficiently restored when staff with the correct skills and materials are dispatched to make repairs. With accurate inventories, purchasing can be optimized. These systems are in use on virtually every major communications system in the country. They have increased circuit availability, reduced maintenance staff, and improved company records.



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