MPR TELTECH LIMITED

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Product/Service: MPR Teltech offers the aerospace industry a wide range of design and fabrication services. These include components such as application-specific integrated circuits (ASIC), thick-film hybrids, hybrid and monolithic microwave integrated circuits; complex subsystems such as transmitters and receivers; and complete systems, including large software systems for communications network management.

MPR Teltech is currently active in microwave landing systems (both ground and airborne segments), civilian and military EHF satellite communications, space based radar, and search and rescue satellite beacons. Other areas of expertise include commercial and military airborne radar, air-to-ground communications, navigation, and EW systems.

As Canada's largest design house for satellite earth station engineering, MPR Teltech is a recognized leader in advanced microwave modem, and associated signal-processing technologies.

Keywords: Communications Consultants; Communications Systems; Digital Communications; Digital Signal Processing; EHF Satellite Communications; Emergency Locator Beacons; Expert Systems; Hybrid Circuits; MHMICs; MMICs; Microelectronics; Microwave Subsystems; Millimeter Wave Subsystems; RF Communications; Satellite Communications; Software Development; Storage of Digital Imagery; VLSL.

Recent Successes: A $9 million technology transfer and joint development contract with South Korea's Electronics and Telecommunications Research Institute (ETRI). The collaborative project will develop a new VSAT (Very Small Aperture Terminal) satellite communications system for two-way low speed data communications.

MPR Teltech was selected as prime contractor for Canada's $28 million "FASSET" military R&D project, involving the design and integration of an advanced development model of an EHF SATCOM system for evaluation and test. Consisting of two ground terminals and a ground-based payload model, the system incorporates advanced processing techniques to achieve secure, survivable communications links in an ECM environment.

MPR Teltech was responsible for the system design, terminal design and development of the satellite communications system which provides the transmission backbone for the $268 million Canadian government NWS contact awarded in 1986.