

MECHRON



Standby Generator Sets For Telesat Canada

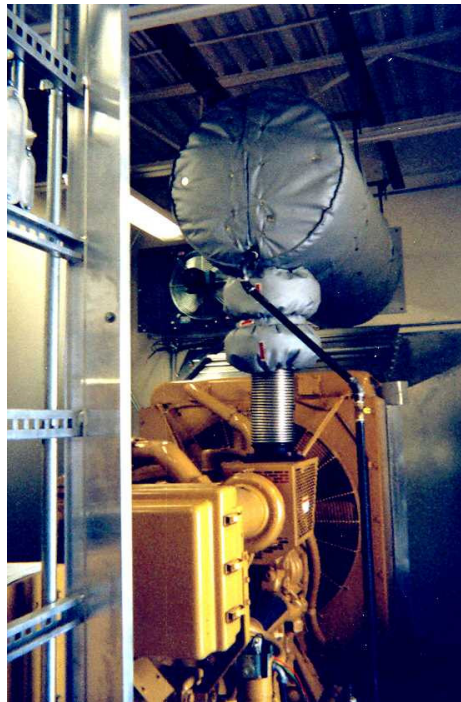
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Telesat Canada operates a fleet of satellites and ground stations for the provision of broadcast distribution and telecommunications services. Mechron supplied and installed standby generator sets with controls for two of its satellite ground station facilities, in Ottawa and Halifax.



As part of a complete station retrofit of the unattended Halifax station, Telesat needed a new standby generator set designed to meet the needs of the upgraded station. Mechron supplied and installed a 365 kW, 347/600V generator set, complete with Mechron-designed ventilation, exhaust and fuel system controls.

The Ottawa station had requirements above and beyond those of the Halifax station. In addition to the normal transmit / receive functions, the Ottawa station was also responsible for satellite control. This control is critical to keeping the satellites operational and minimizing the consumption of precious satellite fuel. Reliability of power is essential for this site. Mechron supplied and installed a 600 kW, 347/600V generator set configured to integrate with the existing installation. Provisions were made to allow for upgrading for paralleling and load sharing. Both sites were equipped with freestanding panels that provided notification of electrical faults and alarms. Dry contacts were also provided for remote alarm capabilities.

