SED is more than an RF System Supplier, we’re a communications technology engineering company with skilled engineers and technical resources.

We look beyond simply selecting components, SED designs for performance and reliability according to your needs, while minimizing risk.

Your work gets the full attention of a dedicated project team to work closely with your engineering and program leaders. We strive for flexibility while ensuring all phases are completed on time and on budget.

Our highly skilled RF engineers and designers focus on solving complex technical challenges, while our program staff co-ordinate the flow of information among vendors, site hosts, and you, the customer.

Applications:

Our RF systems are being used in a wide array of critical satellite applications:

- Communication Gateways, with emphasis on high capacity systems including Ka/Q/V band payloads for HTS Systems
- Tracking Telemetry & Command / Mission Control
- In Orbit Test & Carrier/Spectrum Monitoring
- Uplink Beacon Stations
- Broadcast Uplinks
- Space exploration and Earth Observation

For over 50 years, SED has been providing custom RF solutions that satisfy the unique needs of satellite systems and communication services providers.

SED provides full turnkey services to meet all your RF system needs. From requirements analysis, site surveys, and equipment specification, through system design and integration, test and on-site commissioning, training and long term support. SED supports you through the full system life cycle.

Extensive use of COTS keeps cost, technical risks and development time down. Custom hardware and software designed by SED, ensures unique requirements are satisfied – effectively and efficiently.

www.sedsystems.ca
To learn more, please contact:
Darren Schlageter - Vice President, Ground Communication Systems
T: 306-933-1471
E: schlageter@sedsystems.ca

SED’s strategy has been to develop and maintain long-term relationships and strategic associations with high quality customers. Our client list includes global industry leaders, many of whom we’ve worked with for over 20 years.

Capabilities:
• Strong RF capabilities with in-depth knowledge of RF characteristics that impact performance in modern telecommunications systems.

• Long-standing relationships with most of the industry leading RF equipment and subsystem vendors. We select the best product for the application at hand.

• Extensive embedded hardware & software resources to develop custom solutions, when off-the-shelf offerings aren’t sufficient.

We’re a system provider with extensive experience in:
• Antenna systems from 1.6m to 35m, operating at all frequency bands.

• Systems for LEO, MEO and GEO applications.

• High density hub integrations for Ka/Q/V band equipment.

• Complete RF equipment chain, including baseband, converters and amplifiers.

• Uplink Power control. (ULPC)

• Custom monitor and control using our own Mon-A-Co platform.

• Carrier Monitoring Systems. (CMS)

• Complex waveguide and switching systems.

• Modulators and demodulators.

• Telemetry, command and ranging processors.

• Custom HVAC, and de-icing solutions.