

**SCI-TEC INSTRUMENTS INC.**

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**Products:** SCI-TEC has four principal products. The BREWER OZONE SPECTROPHOTOMETER (Brewer) is an automated state-of-the-art ground-based remote sensing system used by researchers world-wide to measure ozone and nitrogen dioxide in the upper atmosphere and sulphur dioxide closer to earth. As a result of the increasing environmental concern over the deteriorating ozone layer, the product sales are increasing annually. This all-weather instrument is microprocessor controlled with precision optical components, and is fully automated for year-round operation using the sun, sky or moon as its light source. There are more than 70 Brewers now in use in 21 countries.

The COSMOS TRACKER is an all-weather positioning pedestal used to point specialized instruments at celestial and terrestrial objects. The primary application of this technology has been as the azimuth (single axis) tracker for the Brewer. A smaller version is under development.

The second major project is PETROTAG, the most accurate fluid measurement gauge in the petrochemical industry. As a result of increased petroleum cost and environmental concerns to prevent or diagnose a spill early, the market for this product is growing annually.

The HILDA (High Line Data Acquisition) system monitors and analyzes power line vibrations for electrical distribution companies. The product consists of a sensitive probe mounted on the power line and communicates by radio to an advanced data collection computer on the ground.

**Keywords:** instruments, remote sensing, atmospheric, ozone, liquid level sensing, positioning/pointing system, vibration measurement, pollution monitoring, safety.

**Recent Successes:** Sales of environmental instruments into 20 countries. 60 percent of the \$3M sales volume were exported. Three of the senior staff members have many years of experience with Canadian space program projects. Presently SCI-TEC is an active participant in Canada's Networks of Centres of Excellence space research (CNSR) project. SCI-TEC is developing enhanced versions of the Brewer and will be doing some research in the Arctic and Europe.

**Of Special Note:** SCI-TEC is seeking strategic allegiances in Europe and Russia.