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## GEM Observatory / Monitoring Systems

GEM Systems, Inc. is the global standard for magnetic observatory applications with more than 100 systems in operation globally. Users include groups in Australia, Britain (British Geological Survey), Canada, Czechoslovakia, Finland, France, Germany (Adolf-Schmidt-Observatory), Hungary, Israel, Japan, New Zealand, Norway, South Africa, Spain, Sweden, United States (USGS), and others.

Key products include the following:

- **GSM-90 EUROMAG Stationary Overhauser Magnetometer.** The EUROMAG is a self-contained Overhauser magnetic measuring system for long-term monitoring and earthquake hazard research / prediction). Available in standard and fast cycling versions, this unit is designed for interfacing with computer-based data acquisition systems, such as those found in magnetic observatories or earthquake hazard research facilities.
- **GSM-20S3 "SuperGrad" Stationary 3-Sensor Scalar Magnetometer / Gradiometer.** The "SuperGrad" is a fully integrated 3-Sensor magnetometer gradiometer for monitoring of the earth's total magnetic field and gradients. SuperGrad has the highest sensitivity (0.00003 nT) available in a commercial instrument. This unit is a standalone system for very high sensitivity, long-term monitoring and earthquake hazard research / prediction.
- **GSM-90FD dIdD Stationary Vector Magnetometer.** The dIdD (delta Inclination – delta Declination) system is a fully integrated 3-component Overhauser vector magnetometer for continuous monitoring of the inclination, declination and total intensity of the earth's magnetic field. Available with and without display capability, this unit is designed for interfacing with computer-based data acquisition systems.

GEM also offers portable Overhauser systems to be used in conjunction with stationary systems.

If you require more information, you may contact the individuals below. Please use discretion in your email communications as these individuals have consented to supply information on a voluntary and occasional basis.

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Advancing Overhauser, Potassium and Proton Precession Magnetometer Technologies for More than 2 Decades - "Our World is Magnetic!"