

SYSTEM DESCRIPTION

- . System components:
 - . KMS-820 data acquisition unit
 - . LEMI-120 coil magnetometer
 - . LEMI-118 coil magnetometer
 - . LEMI-701 non-polarizing electrode
- . Provides digital interface for digital flux gates for low frequency measurements or customized applications.
- . Acquisition and processing software included to analyze the data with graphical display for quality control and also outputs the apparent resistivity and phase into the standard EDI format.
- . Wide band 24-bit, 6-channel, low power consumption, low noise, low-drifting channel, with sampling rate up to 100 kHz.

APPLICATIONS

Land EM

- . EM transmitter synchronization and monitoring
- . System response recording (time domain and induced polarization)
- . EM survey in array configuration

Marine EM

- . Transition zone transmitter and monitor
- . Source controller and environmental monitor (current and one field component)

Land seismic

- . Seismic survey of subsurface structure for hydrocarbon, minerals and geothermal energy exploration
- . Passive microseismic monitoring for regional and local seismic activities

General lab measurement

- . Coil calibrations
- . Electrode long term stability study



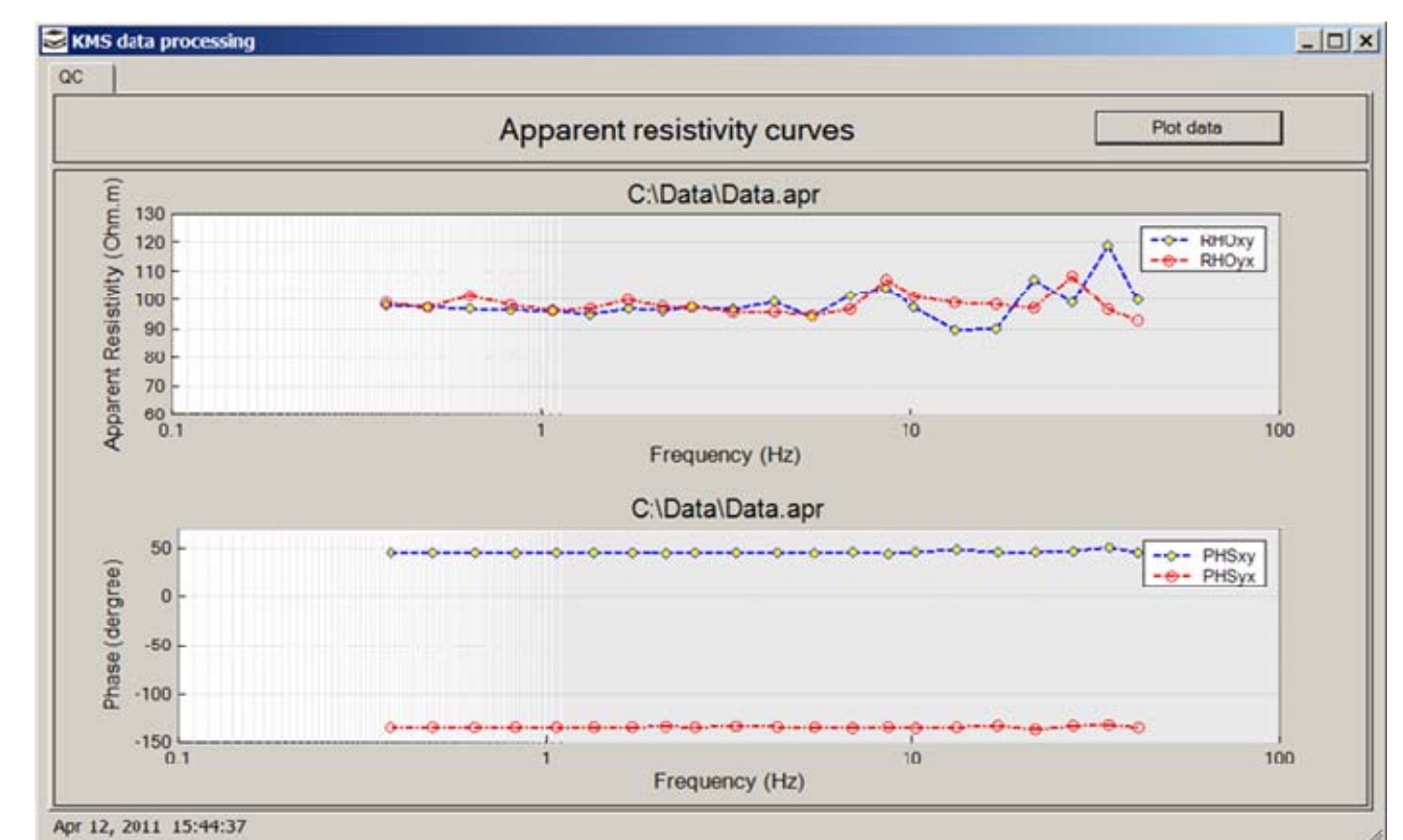
Magnetotelluric (MT) data acquisition system



KMS-820 data acquisition unit



KMS MT system in the field



Apparent resistivity & phase curves