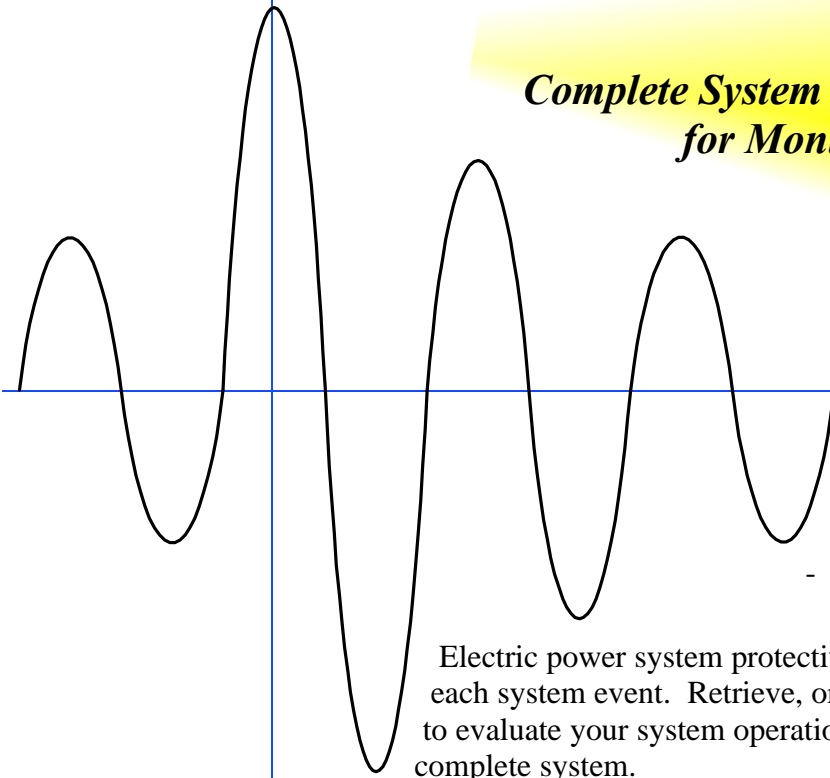


# Relay Monitoring Service

*Complete System and Service  
for Monitoring Critical  
Protective Relays*



Relay Monitoring consolidates systems to

- Prioritize data retrieval
- Reduce analysis time
- Simplify reporting

Electric power system protective relays provide detailed reports about each system event. Retrieve, organize, analyze, and summarize the reports to evaluate your system operations. This service provides all aspects of the complete system.

## **SEL-5010 SEL-5040**

The SEL-5010 or SEL-5040 software retrieve the raw data from the relays. The SEL-5010 Relay Assistant waits for remote stations to send event files. The SEL-5040 Power System Report Manager waits for remote stations to indicate new events have occurred or it periodically polls the relays for new events. The SEL-5040 then retrieves all new events.

## **RAI-DE**

The RAI Data Extractor software sorts all event files on your computer. The RAI-DE then applies analysis tools to each new event. A results file is generated, and the results are tabulated in a report. RAI will create the tools, or you may develop them using RAI templates and Microsoft® Excel.

## **Design**

RAI designs the system. Installation costs are minimized by considering both the existing equipment and the desired results. The design includes the necessary hardware, necessary software, and data-flow drawings. Use the drawings to create more systems or to modify the existing one.

## **Settings**

The relays, communication processors, and software require proper settings for the system to work. RAI creates setting files for downloading into the equipment.

## **Installation**

RAI is available to assist during the installation and testing of the system. The settings are downloaded, the computer is setup at the remote site, and local and remote tests are performed.

## **Monitoring**

Continuous monitoring of the system is available from RAI. RAI reviews the results and makes recommendations for changes to the monitoring system and to the protection system. The monitoring is intended to improve your power system protection over time.

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