

MASSY PROCESSING CENTER

The Massy processing center located near Paris is **CGG's main processing center**, and one of the largest in the geophysical industry. It employs over 200 geophysicists, geologists, software and hardware specialists, and is built around a state-of-the-art computing structure anchored by two CRAY supercomputers.

The center offers the following services:

- **2D/3D processing of land and marine seismic data** acquired by CGG as well as other contractors. Reprocessing of data is of course also provided.
- **Structural and stratigraphic modeling and interpretation** using interactive workstations.
- **Special applications** such as well seismic processing, combined P-wave and S-wave processing.



The center is divided into geographical groups for land and marine seismic and specialized groups for specific processing and interpretation work. Close interaction between these groups provides our clients with a comprehensive approach integrating our wide-ranging geophysical and geological expertise.

Each group manager is assisted by a **senior geophysicist from CGG's R & D Division**, who is in charge of technical assistance and quality control, and coordination with the field crew, the processing group and client representatives.

The Massy center also receives constant assistance and support from the R & D Division in order to respond to and solve specific geophysical problems quickly.

3D processing over the years has taken a steadily increasing share of the center's activity and today **exceeds 50% of all land and marine processing**. The center's production covers over 200,000 km of land and marine data recorded annually worldwide. Considerable efforts have been made in developing various **procedures for quality control**; combined with the advantages of powerful mainframes, these procedures improve the productivity of processing groups, thereby reducing turnaround time.

The Massy center uses **GEOVECTEUR® 2D/3D seismic processing software developed by CGG specifically for vector computers**. Since 1983 several million records have been processed annually with Geovecteur throughout the world.

GEOVECTEUR is a comprehensive 2D and 3D seismic processing software package. In addition to the full range of basic modules, it offers the most recent advances in geophysical research. The modular structure of the software offers optimum flexibility for the selection of processing sequences tailored to the specific geophysical and geological parameters of each survey. This is further enhanced by the various options available within each module.

Interpretation services are performed on **INTERPRET workstations**, also developed by CGG.

Finally, the Massy center also offers clients **computing resources tailored to their needs**, by installing dedicated terminals or interpretation workstations in CGG's offices or at client's sites. This service is always complemented by training and assistance.

