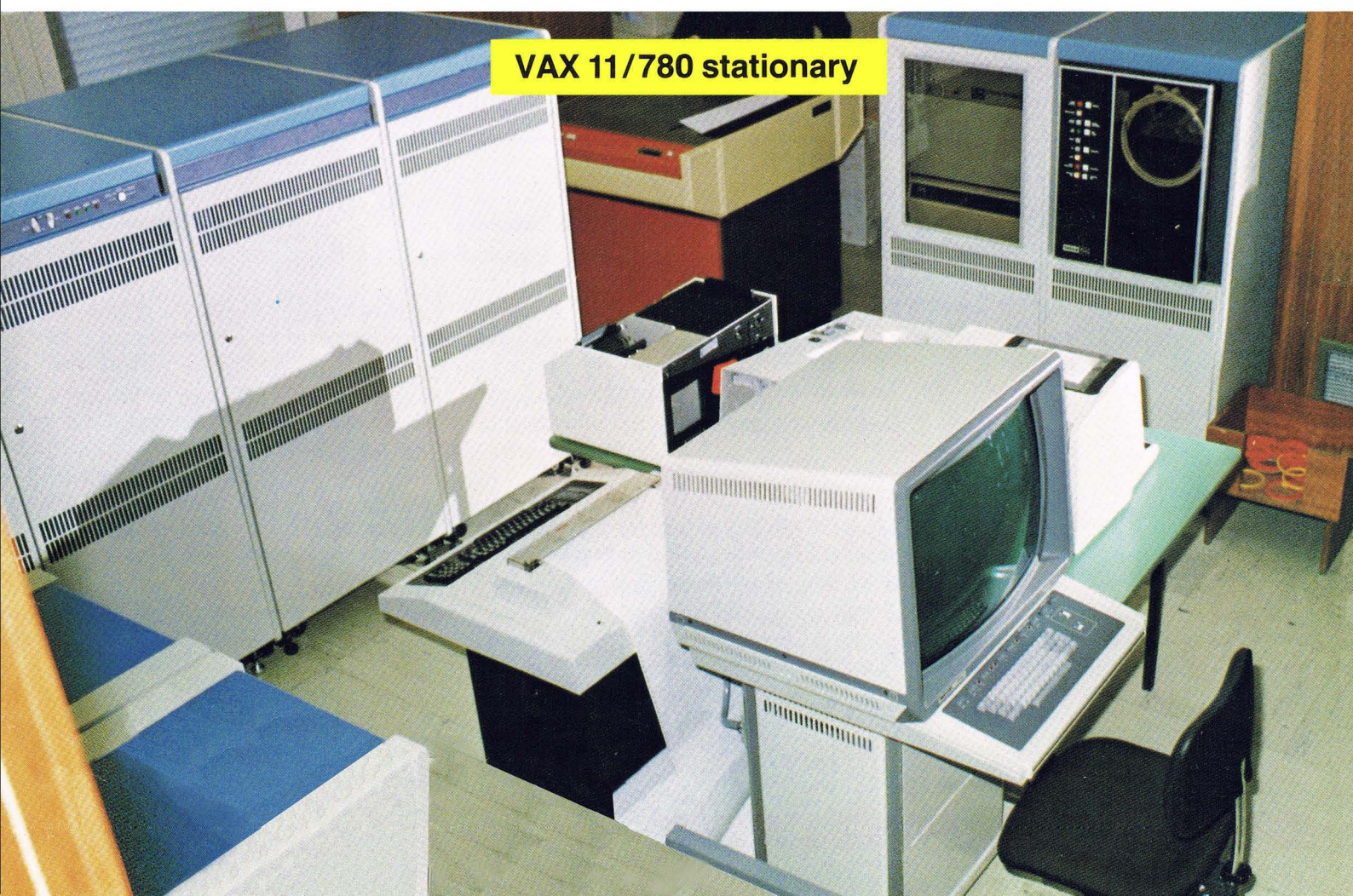




**VAX 11/780 mobile**

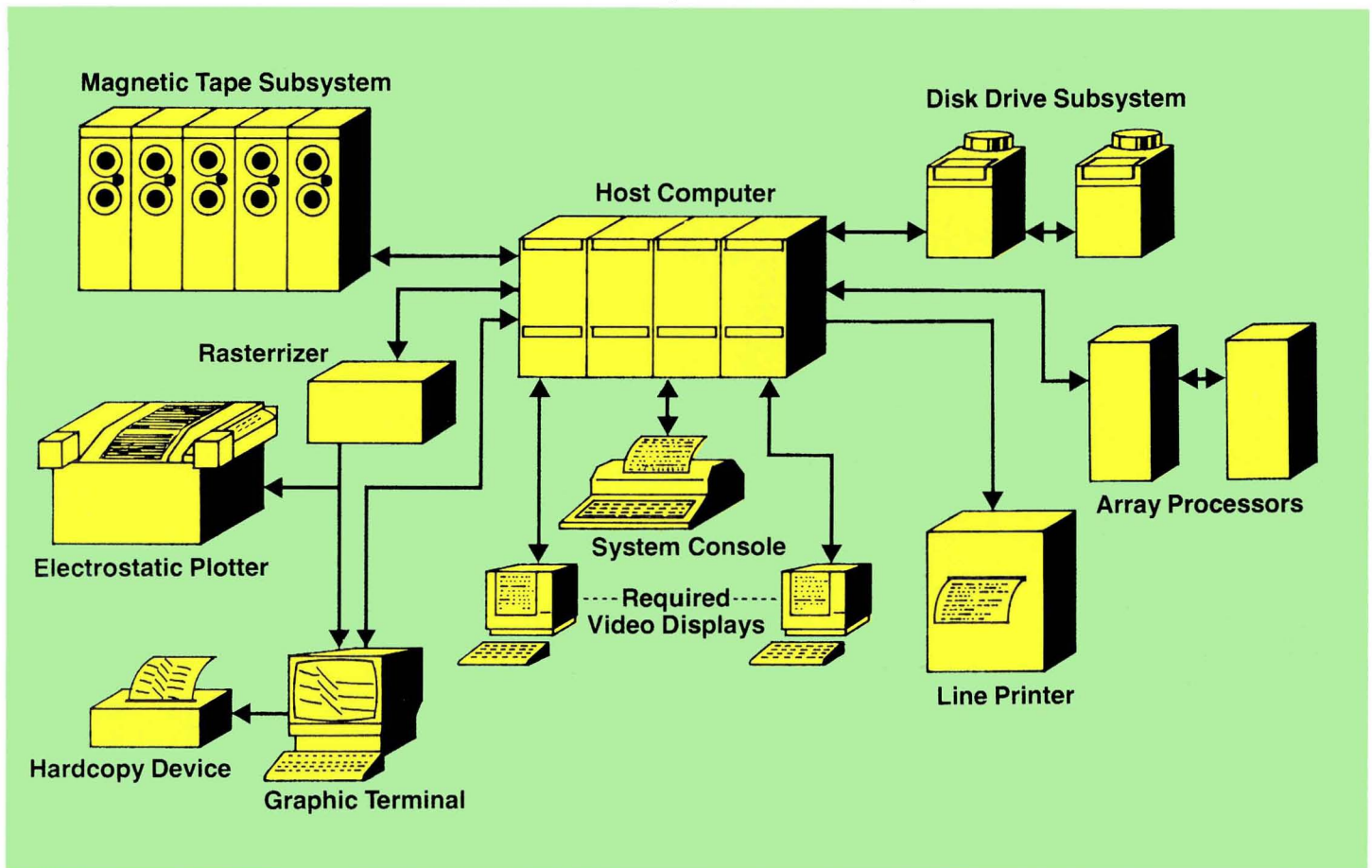


**VAX 11/780 stationary**



## Standard Configuration 1983/1984

based on Host Computer of VAX 11-Family



## General Features

Optimal architecture for seismic processing  
Highly sophisticated seismic program package DISCO™  
Communications network  
Interactive work stations  
Realtime capabilities  
Application development tools  
Diagnostic subsystem

PRAKLA-SEISMOS ist prepared to supply ancillary equipment suitable to meet any environmental condition

- UPS, uninterruptible power supply
- Airconditioning system
- False floor/ceiling

## System Software

---

### Seismic Software DISCO™

#### Standard Seismic Processing

- Input
- Demultiplexing
- Sorting
- Editing
- Filtering
- Deconvolution
- Source and receiver static corrections
- Dynamic corrections
- Stacking
- Scaling
- Output

#### Advanced Seismic Software

- Migration
  - Finite difference method
  - F-K migration
- True migration before stack
- Signal enhancement technique
- Multiple rejection
- Dip filter (F-K filter)
- Wavelet processing
- Advanced velocity package
- Modelling
- UNRAVEL package
- DISCOVERY system

### Software Contribution of PRAKLA-SEISMOS

PRAKLA-SEISMOS' aim is not only to use the DISCO™ system but also to contribute its own advanced software developments.

#### Stand Alone Program

The following stand alone program has been implemented:

##### **Automatic Picking of First Arrivals, an interactive static correction procedure for impulse data or VIBROSEIS\* data.**

The automatic picking is achieved by a one-trace procedure which observes the increase of the signal amplitude within a time window and determines the first events by a decision logic.

The redundancy of data allows algorithms to eliminate mispicks. Traveltimes curves are produced which can be interpreted in the correction procedure.

With this method, basic static corrections are computed and statistically improved, whereby the influence of weathering is fully considered so that long period statics are also mastered.

The hit rate is 75 % to 95 % for real data.

#### Modules

Various modules of the DISCO™ system have been modified and/or extended either to meet client's individual requirements or to achieve optimal execution times.

Furthermore, several new modules have been written and implemented by PRAKLA-SEISMOS for special applications.

Continuous research for new development is carried out on the software systems and the results are made available to the clients in order to maintain a state-of-the-art seismic processing package.

Support of hardware, software, and the training of client's staff will also be carried out by PRAKLA-SEISMOS.



Mobile Processing Center leaving Hannover.....

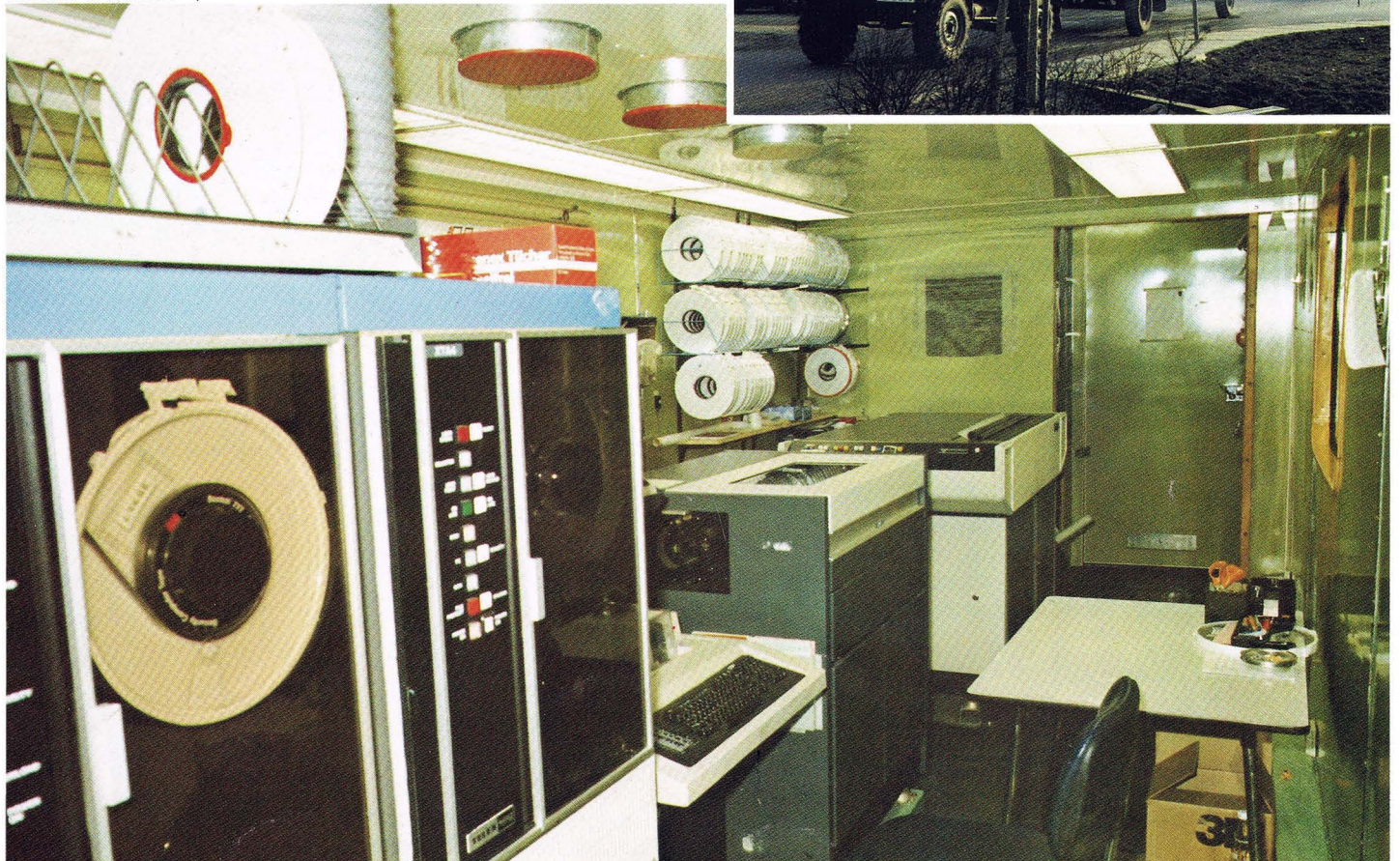


◀ .....by rail

.....by road ▼



Inside a trailer ▼



PRAKLA-SEISMOS GMBH · BUCHHOLZER STR. 100 · P.O.B. 51 05 30 · D-3000 HANNOVER 51  
PHONE: (5 11) 64 60 - 0 · TELEX: 922 847 + 922 419 + 923 250 · CABLE: PRAKLA GERMANY

© Copyright PRAKLA-SEISMOS GMBH, Hannover