RC 3600 Software

Under the RC 3600 Multiprogramming Utility System, a job configuration is completed by one or more main proograms, each of which performs a particular job.

Main programs can be written according to the requirements of individual users, and to facilitate the implementation of job configurations for a wide variety of user applications, RC developed the high-level MUSIL programming language, which resembles ALGOL and PL/1, and provides a powerful framework for handling structured and unstructured string type data, a capability essential for business data processing applications.

For educational and technical purposes RC developed the RC BASIC interpreter, which is an extended version of the traditional Dartmouth BASIC, holding such extensions as sub-catalog system with file protection, double-precision arithmetic and matrix operations.

RC 3600 software includes the DOMUS disc operating system and customized completed programs for data communications, data conversion, data collection, and data entry applications. The programs are delivered in finished form such that they are ready to load and run. The user is not involved in coding, and no programming training is required to use this software.

All main programs have a set of run-time parameters, which are used by the operator to control job execution. Many of these parameters can be specified – if the user so desires – to be modifiable at run time from the console device.

BASIC interpreter MUSIL compiler and text editor, as well as programmer training, are available to users who wish to code their own main programs.

- MATERIALS
- PERSONNEL COSTS
- CPU TIME
- INPUT/OUTPUT-OPERATIONS
- DATA-COMMUNICATION
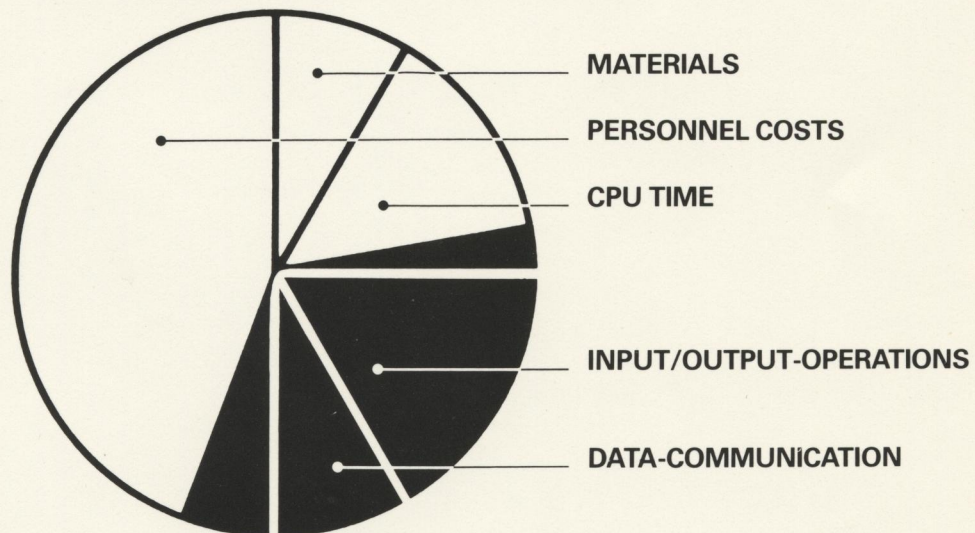
This illustration, taken from an article in the American data processing journal DATAMATION, May 1976 (Robert L. Patrick), shows the distribution of costs associated with a data processing system. The article discusses the advantages of supplementing a larger data processing system with minicomputers, as opposed to investing in a still larger system.

The figure shows the extent to which an RC 3600 Satellite System reduces the load on a larger data processing system and the areas in which this reduction is possible.