



Research and development capabilities



THE BASIC PHILOSOPHY

RC's development philosophy is "systems based on modules and module reuse". Modules in hardware as well as software. That is to say that any system delivered is built up of modules or building blocks fitting together independent of the reason why or when they were developed. This is one of the reasons why RC can supply standard of the shelves systems and custom-tailored systems within a very short delivery lead time and at very low prices. Another important factor, given by this philosophy, is the upward-downward compatibility in systems as well as in time. This means that having invested in one RC product the user will always be able to expand his system with the newest "inventions" or upgrade to another of the RC products.

SYSTEM DESIGN

Based on the above mentioned, system development in RC is more a question of defining the overall master structure and the substructures than starting from the bottom with a complete new design. As hardware prices are dropping drastically with the new technology this factor becomes very important, as well as it limits the time factor normally involved in system design. But it also means that application software becomes transferable to new generations of systems. Due to the basic software structure with a monitor separate from the operating systems, it is fairly easy to generate new operating systems without changing the application systems, which in some cases opens the possibility of designing very specialized or complicated systems to customers' specifications "just" by adding a new operating system module.



RESEARCH

Besides planning and developing systems within the scope of a couple of years the RC development group also studies the technological development and research all over the world. This close supervision has the purpose of guiding especially the hardware development in the direction, in which future seems to point. By doing this RC has in the past been able to produce and sell products, which are of a constant up-to-date state and in many cases have been ahead of time at the release date.

Within the software development group a constant research is going on, in order to find new and better ways to solve problems. During the past this has given birth to many solutions, formulas, etc. created by RC personnel, used by RC systems, and later implemented on other systems all over the world.

RESOURCES

As seen the RC development group is dealing with hardware and software modules, cpu and system design, basic and operating systems, compilers and applications software.

As RC is also one of Europe's largest service bureaus using RC systems for job execution the important feed back to the development group from the system user is highly developed.

The RC development group employes about 150 people, all highly educated, a lot of them known as specialists within specific areas as telecommunication, operating systems, database systems, file handling systems, etc.