

CHARON-VAX Application Report



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CHARON VAX Eliminates Risk for Lockheed

The Lockheed Space Systems Company Strategic Missile Program in Cape Canaveral Florida was concerned about their ageing MicroVAX II computer used for cross compiling source code. The compiler software was going to be used well into the future and needed a new stable platform for the years to come.

Many of the other components of the MicroVAX II computer were difficult to support. To eliminate the risk of downtime due to hardware failure and possible loss of data, the software engineering staff at Lockheed Martin started exploring upgrade alternatives.

The MicroVAX II platform, which has been around since the late 80s, used old, Winchester style disk drives that were becoming difficult to obtain and the system was slow. The tape drives were slow and unreliable causing much of the available system time to be used making backups.

Suppliers of Software & Systems Integration:

- Salem Automation , Inc. Winston-Salem, NC

Original Hardware Utilized:

- MicroVAX II Computer System

Software Utilized:

- CHARON-VAX Industrial

New Hardware:

- Dual 2.0 GHZ Server with RAID 5 configuration .

Installation complete:

- September , 2002
- Cape Canaveral, Florida

The Solution to the Challenge

After exploring several options, the Cape Canaveral staff decided to utilize the CHARON VAX Industrial software. Salem Automation was contacted, Lockheed's situation reviewed and the appropriate CHARON VAX software license was specified.

Due to the proprietary nature of the application software Lockheed decided to im-

plement the CHARON VAX software install with in-house staff.

With phone support from Salem Automation when needed, Lockheed set up the network cards, created the configuration file and migrated the data from the backup tapes to the newly created container files.

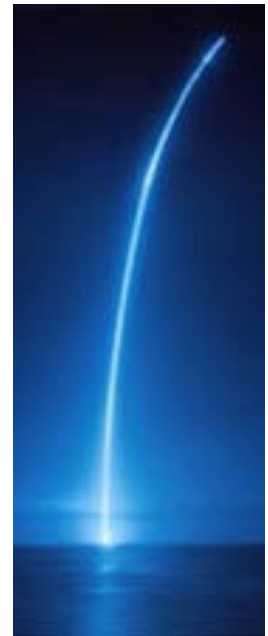
Project Outcome



Once converted to CHARON VAX, the data was compiled and compared to the results from the original VAX system for verification. The results were found to be identical. Now with Lockheed Space System's VMS software on a new CHARON VAX PC platform, backups of the CHARON VAX disk container files can be completed easily and quickly.

Also, the system is much faster, more reliable and no longer requires an expensive HP VAX hardware maintenance contract.

One site software engineer stated, "The new system is at least 14 times faster than the old system and produces the same results. This has been a very successful migration for us."



We're on the Web!
www.salemsautomation.com
www.winvms.com

Company Profile:

Incorporated in 1992. Offices in Winston-Salem NC, Charlotte, NC , & San Juan, Puerto Rico

Company Mission:

To provide high quality automation solutions and cost-effective engineering services to manufacturing companies via Win-Win business relationships.

Staff:

Engineers with varying backgrounds including Chemical Engineering, Electrical Engineering, Instrument Engineering and Computer Science. Most all of our staff members have over 15 years experience. Staff experience is extensive in the areas of distributed process control systems, programmable controller based systems and computer based process control. Industry experience in Textile, Food, Tobacco, Chemical (Batch and Continuous), Metals, Utilities, Furniture, Tire and Pharmaceutical.

Contact:

Chuck Graham
 Southeast VP
 Sales & Marketing
 4500 Indiana Ave.
 Suite 40
 Winston-Salem,
 NC 27106
 336-661-0890 x 106

Bob Gyles
 Northeast Regional
 Sales Manager
 Boston, MA
 978-425-2582

John Mercier
 Western Regional
 Sales Manager
 Phoenix, AZ
 480-633-5739