



Berlin, CT

Suppliers of Software & Systems Integration:

- Salem Automation, Inc.
Winston-Salem, NC
- Corbin Russwin
Project Leader:
Neil Hartfield

Existing Hardware:

- 2 clustered VAX 4705A KEYS machines
- 512 MB memory
- 39 disk drives,
1 GB each
- 19 shadowed drives in
2 member sets, striped
- DLT tape backup

Existing Software:

- CHARON-VAX XL Plus
- Alpha OpenVMS
- FORTRAN 77 &
FORTRAN 90, C, MMS,
CMS, Datadrive, Pascal
- VMS Version 5.2

Project Installation complete: August, 2005

Corbin Russwin Migrates to CHARON-VAX XL Plus



Corbin Russwin was paying substantial amounts for system hardware maintenance and VMS software support. Corbin didn't want to invest the substantial amounts into a migration to another system. Also there was concern about the risk of hardware failure for systems that would need to be maintained for many more years. Corbin Russwin contacted **Salem Automation** via their office in Monroe, NC to begin the process of investigating migration to CHARON VAX.

Salem Automation provided a site visit for the Corbin Russwin staff to The Bell Group in Albuquerque to see a CHARON VAX in use in Manufacturing. This trip was critical in demonstrating a successful CHARON VAX conversion. Salem Automation additionally setup a demo unit for the IT staff to understand the new technology. This demo showed major improvements in comparison to the existing system.

The Solution to the Challenge

After exploring several options, **Corbin Russwin** contacted **Salem Automation**. Salem Automation provided a complete solution to the problem. Salem Automation provided CHARON-VAX XL hardware emulation software which eliminated the need for the old hardware and processes. **The improvements were dramatic.** Said Neil Hartfield, IT Director of Corbin Russwin:

"We initially eyed the CHARON VAX Emulators as a too-good-to-be-true solution. However, with the combination of SRI's solidly coded software and Salem Automation's expertise and commitment to the project we were able to prove that it was all true!"

CHARON VAX XL Plus Emulation Software

CHARON VAX XL Plus is an emulation of the VAX hardware using the existing reliable OpenVMS operating system unmodified on new PC server hardware. The underlying Windows XP or Windows Server operating system is hardened by eliminating many unused services and optionally disabling access to the Windows network to eliminate potential viruses and need for Microsoft patches. CHARON VAX software, installation services and 24 x 7 support is offered for sale in North America through Salem Automation. Salem Automation offers turnkey solutions as well as ongoing software phone support either 8 to 5 Monday through Friday Gold support or 24 x 7 Platinum support. CHARON VAX offers the advantage of adding many more virtual disk drives than the existing system had as files on the AlphaServer computer's disk. In addition, a virtual tape file can be created that will allow VMS backups while the system is running to a file which can then be transferred to tape, CD, DVD or a remote server. When installing the software, Salem Automation carefully checks to ensure that the new software is operating efficiently. Applications are tested, programs are compiled to compare the results from the original VAX system to the CHARON VAX output for verification.



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We're on the Web!

WWW.CHARONVAX.com

WWW.SalemAutomation.com

Company Profile:

Incorporated in 1992. Offices in Winston-Salem NC, Charlotte, NC, Phoenix, AZ, Boston, & 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 Computer Science. Electrical Engineering, Consulting, Chemical Engineering, Instrument Engineering and 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 Defense, Textile, Food, Tobacco, Chemical (Batch and Continuous), Metals, Utilities, Furniture, Tire and Pharmaceutical.

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