

# VECTOR SYSTEMS LIMITED

## COMPUTER SYSTEMS ENGINEERING CONSULTANCY

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### COMPANY PROFILE (30-6-2017)

( *Gesellschaftsprofil auch in Deutsch erhältlich* )

**We provide Computer Systems Engineering Consultancy, and custom software tools and solutions**, using qualified Munich based consultants. We develop systems according to customer requirements, (on or off site, as desired), develop our own software tools for sale, and port & extend private and public domain programs on request.

**We specialise in Unix, 'C', X-Windows, Internet, and Web** device drivers, communications, real time control and systems integration. We also offer other skills such as hardware interfacing & design, Assembler, etc. Our qualified experienced consultants are available for both long and short term assignments.

#### **Some Of Our Previous Development Projects :-**

- X-Windows interfaces for aircraft design tools & laser font manipulation tools.
- Cost study to reduce customer expenditure on Internet gateway equipment provision by 20,000 DM.
- \* Integration & upgrade of numerous tools on FreeBSD + X-Windows development system.
- \* Cyrillic/German/English multi-lingual X-Windows screen, keyboard & HP Laser printer environment development, custom fonts provision. (Chinese interface available too).
- \* HP Laser printer font conversion tools, (X11-BDF to HP-PCL etc).
- Reverse processor to unformat IBM mainframe printer files to Unix formatter source input.
- Porting various tools, such as a VI clone to Unix BSD4.2, V7, & Msdos.
- Ethernet/ISO/Unix System 5.3 Device Drivers development.
- Self test modules for 18 GHz microwave spectrum analysis equipment.
- File Transfer Communications Spooler: Unix V6&7 to Siemens BS2000 (IBM 370 type), with simultaneous multiple jobs and priorities, data channel multiplexing, and local/remote success/fail command execution; using an underlying non multiplexed, non prioritised spooler.
- Kernel modifications to allow Minix (a Unix clone) to use higher capacity floppies and serial port.
- Automating production of European Language versions of Siemens Unix.

#### **Our Software Tools Are Purchasable :-**

We have developed a considerable number of our own tools in house, Sources and binaries are purchasable, additional to the tools marked '\*' above, we have also written and can supply :-

**Standard Unix Tools for Microsoft in C** :- `cat chmod cmp cp csh grep head init login lpr ls make nroff rev rm rmdir set sleep strings stty tab tail tee touch uniq wc who.`

**Other Tools for Unix and Microsoft in C**, with the following functionality :-

Validate tape media & report capacity. Prune duplicate source trees. Find lost brackets in C programs; Msdos/Unix Communications Utility: can move entire trees, with time stamp detection and preservation, and error logging. Bad Media Rescue Tools. ; 'Nroff' (text formatter); 'Csh' (command interpreter); Overlay pages (ie a header and letter); Language input filter for Nroff; Capture a file from a remote computer that has no protocol. Portable powerful microprocessor monitor; Calculate Satellite dish alignment; For Msdos PCs: Create date string for 'make' + 'load' combination; Reboot command for use over serial line, etc.

#### **Commercial Support for Unix, X-Windows, 'C', FreeBSD, and GNU :-**

This document was typeset with groff, ghostview & ghostscript running on FreeBSD ( a Unix like Operating System). The entire operating system, X-Window system, FSF/GNU tools such as C++, groff, ghostscript, ghostview (Postscript previewer), VSL/WYSIWYG interface, & Web Browsers & 7000 (@ May 2002) other packages, are compiled, installed, & can be maintained & available from us.

#### **Internet & World Wide Web Servers**

Combined Hardware + Software server systems ( Web, FTP, Email, Fax Server etc ) & Security Firewalls are also available, part or complete preconfigured.

**We welcome exploratory meetings**, to discuss possibilities, please contact:

**Julian H. Stacey, Holz Strasse 27 d, D 80469 Munich, Germany.**  
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