Century Embedded Technologies’ PIXIL™ operating environment is an embedded Linux® software solution designed specifically for today’s emerging market of smart flat-panel devices, such as PDAs, cellular phones, Internet appliances, vending machines, elevators, and gasoline pumps.

PIXIL includes a powerful and proven graphical API, user friendly system utilities, key applications such as a PIM, Internet connectivity, and multimedia applications. Combined with a fully supported SDK and engineering services for developing custom applications, it is clear PIXIL provides a complete solution for graphical embedded Linux.

PIXIL: Fully tested, supported and commercial ready—just add hardware.
PIXIL Operating Environment
The PIXIL operating environment provides the foundation for all PIXIL applications. Unlike other embedded Linux offerings, PIXIL has been hand-tuned and optimized by Century specifically for embedded devices. The Microwindows graphical windowing system is at the core of the PIXIL solution for smart flat panels. Microwindows, unlike other windowing systems, was designed from the ground up specifically for embedded Linux. PIXIL features minimal disk and RAM requirements, is designed for portability, and can run on a wide variety of hardware platforms and processors. Key applications delivered with the PIXIL Operating Environment include:
- Screentop application launcher and file manager
- Handwriting recognition
- Pop-up keyboard
- System time and date including world clock
- Graphical network configuration utility
- Graphical system configuration utility
- Backlight control and power manager
- Screen calibrator

PIXIL Personal Information Manager
The true measure of any PDA is found in the strength of its Personal Information Manager (PIM). PIXIL PIM offers a collection of robust, ready-to-use software applications that includes an Address Book, Scheduler, Notes, ToDo and calculator. PIXIL also includes a global search utility to quickly locate needed data. Plus, all PIXIL PIM applications can be easily synchronized with their desktop counterparts found in PIXIL Desktop.

PIXIL Desktop
The PIXIL Desktop boasts a complementary set of applications that share data with their PIM counterparts resident on the PDA or other flat-panel device. The PIXIL Desktop provides a comprehensive solution that will maintain addresses, scheduled appointments, to-do list, and notes, synchronizing the user data between the PIM suite and desktop. The PIXIL Desktop also has a graphical update utility that allows the PDA system to load updated software and facilitates the addition or removal of programs with simplicity and ease.

CENTURY EMBEDDED TECHNOLOGIES
Since 1985, Century has been developing leading-edge technologies. Our Embedded Technologies division creates technologies optimized for embedded Linux to minimize memory requirements, reduce costs, and decrease time to market. Century has demonstrated a commitment to the open-source community by creating and maintaining a number of open-source projects, including the Microwindows project and the ViewML Internet browser project, used by thousands of organizations and individuals.

PIXIL Internet Connectivity
The PIXIL Internet Connectivity software offers a set of robust applications designed for the Internet. Devices containing a modem, Ethernet or wireless networking hardware access the web using a software suite featuring:
- ViewML™ Internet Browser
- Mozilla Internet Browser
- Email client

PIXIL Applications
In addition to traditional PIM and Desktop collections, PIXIL also boats expanded features that include a set of multimedia, and utility applications:
- MP3 player
- Voice recorder
- Terminal emulator
- MPEG 1/2 Multimedia Video Player

PIXIL Software Development Kit
The PIXIL Software Developer’s Kit (SDK) allows easy modification and enhancements to existing PIXIL applications. You can change the look and feel of the screentop and create custom applications that seamlessly integrate into the PIXIL environment. PIXIL SDK also includes a desktop emulation of the target device that enables the developer to create, test, and execute applications on the desktop without having the actual target device, saving development time and dramatically decreasing time to market.

PIXIL Engineering Services
Century Embedded Technologies offers complete engineering solutions in graphical, embedded and Linux technologies. Professional consulting services that deliver custom applications tailored to your needs. Century’s engineering team has a proven history of quickly enhancing and optimizing Linux applications and working in the Linux environment to develop state-of-the-art solutions for:
- Graphical windowing environments
- Custom application development
- Multimedia audio and video
- Customized Internet browsers
- Wireless networking and applications
- Feasibility research