21st Century Programming
Custom Software Solutions for the Recycling Industry

ANTIVIRUS SOFTWARE – A RECYCLER'S FIRST LINE OF DEFENSE

"Online criminal activity is, unfortunately, very robust in today's online business environment and it's critical that recyclers take extreme caution to establish several layers of protection for their business," George Kane, President and Co-Founder of 21st Century Programming.

Computer viruses have been around almost as long as computers. And no industry – not even the recycling industry – will be spared by malicious hackers, crackers and online criminals who want to gain access to a recycler's database or their computer's processing power.

This case study is intended to assist recyclers in understanding the importance of installing antivirus software across your entire computer environment, *before* you go online, to protect you and your data from malicious online criminals.

Five Flags Recycling

Pavo[1] is the owner of Five Flags Recycling, a recycling facility in the southwest corner of the United States that processes hundreds of customers a day – both public and commercial.

Pavo has many responsibilities, including presiding over his company's entire computing environment and ensuring proper configuration and connectivity of every computer work station, printer, scale, video camera, driver's license scanner, fingerprint scanner and signature pad.

Last year, Pavo made a smart move to streamline his point-of-scale to accounting operations by purchasing the Recycling Operations Manager software (ROM) from 21st Century Programming. But not so smartly, Pavo put his entire enterprise at risk when he failed to install a firewall and antivirus software on Five Flags' main server and all nine of its computers.

Just a couple of weeks after 21st Century Programming had successfully installed the ROM software program on Five Flags' network, a virus was discovered that eventually took the entire network down. The recycling facility lost tens of hours and potentially thousands of dollars in business. Failure to protect their customer's personal information also put them at risk of facing local, state or federal prosecution for non-compliance with basic data privacy protection laws.

21st Century Programming's IT Support & Networking departments troubleshot the source of the viral infection for weeks until they were sure the issue had been resolved and both the Windows Microsoft Operating System and 21st Century Programming Recycling Operations Manager software was successfully re-installed on a secure, virus-free network.

Thanks to 21st Century Programming's antivirus software partner, ESET, Five Flags now had the ultra secure ESET NOD32 Antivirus ensuring the future protection of their web connectivity.

Protecting Your Computing Environment

DO's	DONT's
Install antivirus software on all servers and computers.	Connect to the Internet until *after* you've installed your antivirus software.
Hire a dedicated IT *professional*.	Hire someone who "kind of" knows what he's doing.
Get a firewall.	Rely on a stock modem from your Internet provider.
Proactively monitor your network 24/7.	Assume someone is doing it for you.

[1] Client and company names have been changed to protect the identity of clients.

21st Century Recommends: ESET NOD32 Antivirus - Business Edition
The Recycling Industry's ultimate solution in computer security

Comprehensive, proactive protection is crucial in any business environment. ESET NOD32 Antivirus helps recyclers protect their most valuable data from malware and hacker attacks and keeps them compliant with consumer privacy laws.

"We're still not sure where the virus came from – whether it was bed down in their existing computer environment, or whether it snuck in on an open connection during the period their new server was unprotected. And that's why it's critical that recyclers install antivirus software before they ever connect to the Internet. Even the briefest connection online, when not protected, acts like an open invitation for security risks." George Kane, President, Recycling Operations Manager.

Conclusions

A recycler's failure to install antivirus software, and keep it up-to-date across his entire computing environment demonstrates a lack of concern for the protection of data and can result in hundreds, if not thousands of dollars in damage and possibly legal fines if a recycler is found to be out of compliance with local, state or federal privacy acts.

Antivirus software is the responsibility of the recycler. 21st Century Programming only makes recommendations on antivirus software,

and through their partner, ESET, makes it very easy for recyclers to purchase the software. But because preferences for antivirus software can vary from IT person to IT person, 21st Century Programming allows recyclers to make the choice for themselves.

All recyclers should have had in place multiple layers of protection from online criminal activity.

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About 21st Century Programming
21st Century Programming is a leading provider of custom software solutions for the recycling and waste industries. Their Recycling Operations Manager software (ROM) was expertly designed by veteran industry professionals to automate every department from shipping and receiving to sales to office administration to accounting. The first software vendor to introduce touchscreen technology to the industry in 2000, 21st

Century Programming serves large multi-yard recycling facilities to small retail recycling centers with five distinct ROM product lines, each fully CRV and Weights and Measures compliant. For more information or a free demonstration, please visit http://www.21stCenturyProgramming.com.

More information about how you can achieve total web security is available online at www.21stCenturyProgramming.com/SecureRecycler or by calling (562) 981 – 1030

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21st Century Programming
1051 E. Wardlow Rd.
Long Beach, CA 90807 USA
Tel. (562) 981-1030
Fax (562) 981-1040

www.21stCenturyProgramming.com