

"StratusWorX helps Revolution Systems keep the cost and complexity out of recycling."

- Pat Tierney, Founder and CEO
Revolution Systems



Revolution Systems' patented recycling machine and process consists of a circular system called Revolution that enables the sorting of recyclable material by type, such as glass, plastic, and paper. The sorted refuse is then compacted into bundles, weighed, and sold to processors for conversion to new material. In 2020, Revolution Systems turned to StratusWorX and its leading Cloud Workspace technology to further streamline its game-changing recycling process.

THE CHALLENGE

- Revolution Systems required an alternative to high-end computers and cameras to take photos of bundles and capture data including weight and material type
- Its hardware solution had to be inexpensive, durable, and mobile
- The technology platform had to deliver high availability and uptime, and support intense resource demands including heavy use of SQL, Power BI, Eclipse, and Excel to process all data coming from the refuse collection facility

THE SOLUTION

- Revolution Systems turned to StratusWorX to implement Cloud Workspace to provide high-performing virtual workstations at two of its Colorado facilities
- Cloud Workspace was deployed on low-cost Android tablets with software including Excel, Power BI, and Eclipse - with full license management
- The solution includes a custom developed application with a backend SQL Database that interconnects each facility
- A security-first approach to network and system level controls was taken, including proactive system monitoring, secure remote access for 3rd-party vendors, and secure data transfer

THE RESULTS

- By virtualizing, Revolution Systems avoided the expense of purchasing high-end hardware traditionally required to run compute-intensive applications
- Proactive monitoring addresses issues before they become customer-impacting
- Leadership rests easier knowing their infra, applications, and data are protected
- Automated software licensing, including upgrades and patches, relieves IT of the burden of managing and maintaining employee software
- Personnel now have the flexibility to take photos and capture bundle data from anywhere on the facility floor using cost-effective Android tablets
- Bundle data from each facility gets instantly uploaded to the SQL database resulting in a streamlined business process and modern work environment
- Revolution Systems plans to expand across the U.S. and perform its back-office and remote monitoring functions from its Colorado facilities using the StratusWorX platform



Revolution Systems is a next-gen manufacturer of recycling machines and end-to-end systems for the collection, sorting and resale of recycled materials. Its patented Revolution is the most flexible, efficient and affordable sorting system on the market today.

ABOUT STRATUSWORX

StratusWorX is a leading provider of fully automated, ultra-secure Cloud Workspace technology that enables businesses to quickly provision employee workstations with scalable compute resources, pre-licensed software, storage, and redundancy, accessible from anywhere, on any device.