

# CIRCULAR TECH AND PHONE REFURBISHING TASKS

While billions of phones are discarded annually, a portion of them are being recycled, with global recycling rates around 17% to 20%. Circular tech and phone refurbishing facilities process thousands of used devices daily — testing, erasing, and preparing them for resale or recycling. Slow charge cycles, unreliable hardware and inefficient workflows can quickly reduce throughput and margin. Cambrionix, maker of the world’s best intelligent USB hubs, understands the challenges circular tech facilities face daily and here at Saelig USA we have the Cambrionix solutions to overcome those difficulties and scale the operations.



## Circular Tech use cases

- Trade-in and return programs collect millions of smartphones, tablets, and laptops every week
- Repair and recycling facilities need to process and resell these devices into the secondary market quickly
- Incoming devices must be sorted by type, brand, and condition, and logged into asset management systems
- Devices need to go through diagnostics, secure data erasure, updates, configuration, and testing
- Before testing, fully discharged devices must be charged, which can be time-consuming
- Device battery health should be maintained through controlled charging and power cycling
- Many used devices also require firmware updates and complete OS reinstallation.



## Challenges in the industry

- Completely flat devices require charging for long periods before processing
- USB endpoint limitations on standard hubs prevent scaling to the required device volumes
- Slow data transfer speeds lengthen provisioning, erasure, and restore cycles
- Alternative USB hub users experience a high failure rate and lots of downtime
- Wasted electricity/time and damage to device batteries from charging to 100% unnecessarily
- Manual oversight is needed to monitor multiple hubs and devices without centralized control
- Inability to run mixed-platform workflows (Apple, Android, Windows) from the same hub setup
- No per-port monitoring to identify and troubleshoot underperforming devices quickly.



## Build smart and scalable workflows with intelligent USB hubs

Cambrionix has created fast, reliable, and intelligent USB solutions to solve these difficulties and support industry transitions. Due to the innovative way they use Thunderbolt technology, Cambrionix ThunderSync hubs enable fast and secure data erasure, testing, and refurbishment, paying for their investment very quickly! Contact Saelig for more details. <https://www.saelig.com/category/cambrionix.htm>



