



ZT Disk Drive Replacement Solutions

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Why Upgrade your Legacy Mechanical HDD to a ZT Solid State Disk (ZT SSD)?

- Is your hard disk reporting occasional read errors?
- It is reaching the end of its useful life and performance will continue to suffer until total failure.
- It is time to upgrade your aging, slow, mechanical hard disk drive to a fast and ultra-reliable ZT SSD.
- Upgrading to a ZT SSD Solution is the single most important upgrade you can give your legacy equipment, thereby extending the lifecycle of your investment!

ZT Solid State Solution

Since 2010, ZT has established a core competence in supporting legacy telecom products. Our charter has been to focus solely on supporting our customers by extending the life of legacy systems. Much of traditional legacy equipment deployed in the last 30 years have used mechanical Hard Disk Drive (HDD), shown in figure 1. As these HDDs are reaching the limits of their expected life, ZT has come up with a solution to seamlessly replace your existing HDD with a more reliable Solid State Drive (SSD), shown in figure 2.



Figure 1 – Mechanical Hard Disk Drive (HDD)



Figure 2 – Solid State Drive (SSD)

Many legacy systems utilize mechanical HDDs. The actual systems are often very robust, however the HDDs in these systems have been spinning for many years (20 is typical) and are reaching the end of their lifecycle. As HDDs age and they near end-of-life, they exhibit more and more random read errors, until they eventually fail completely.

Many vendors will no longer repair those systems or will require expensive Last-Time-Buys for replacement units.

ZT has come up with a robust solution to replace these disk drives with modern flash memory based SSD devices that will add new life to these aging systems.

Our intent is to upgrade obsolete disk drives with new updated assemblies that will be form, fit, and function equivalent to the existing drives. The goal of the ZT solution is to be transparent and function with the existing software.

The pictures below depict a representative example of such substitution we developed a customer's system.



Sun Netra Carrier Grade Support

The Sun Netra server is used within the DMS family of products and other legacy switching systems to serve as the controller. They typically come with SCSI hot-swappable hard drives. ZT will replace your HDD at a fraction of the cost of other solutions.



ZT - Your Legacy Product Support Partner

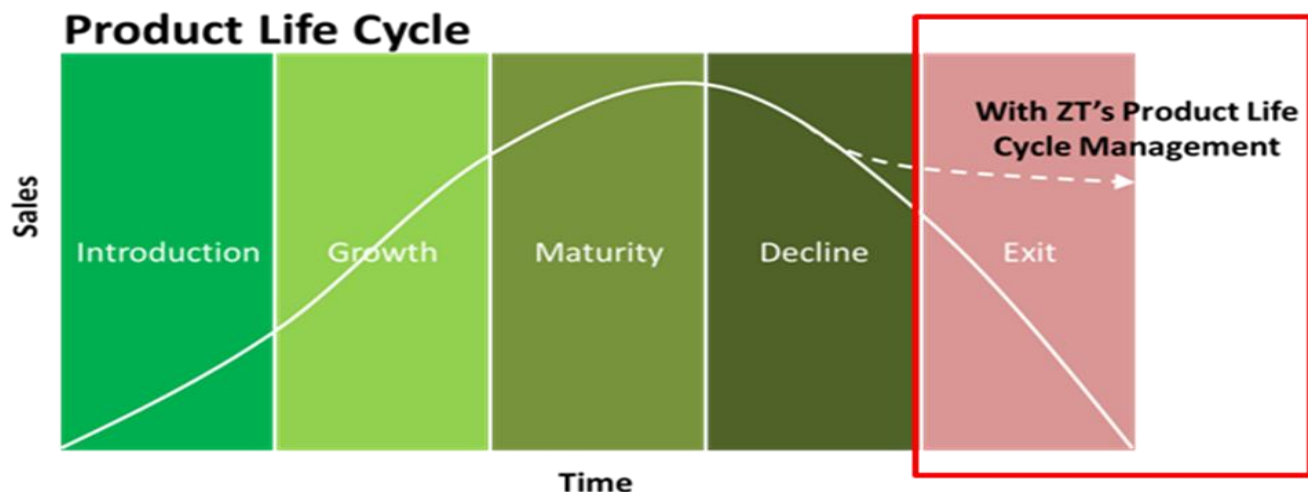
Our mission is to extend the life of your substantial investment in legacy equipment by eliminating obsolescence. We offer many customized options to support legacy products by providing advanced technical services ranging from technical support, to sustaining engineering, repair/replace/redesign options for defective and obsolete equipment, or provide a consolidation and migration strategy to newer and more advanced technologies.

We are committed to meeting your high standards of technical support for your legacy products. We will significantly reduce your existing OEM maintenance costs and give you the assurance that an experienced engineer will always be available, even after the OEM stops supporting the product.

ZT is unique in that it provides a service and is not a contract house. ZT's team of experienced US-based employees pride themselves in their workmanship. Our goal is to keep your equipment operating at peak performance, indefinitely. ZT's employees have a long history that exhibits strong customer focus, a proactive approach, and vast experience in supporting complex networks. When a major catastrophe hits, ZT employees will restore your system to its normal, optimal running state. ZT's team includes hardware design engineers; physical design engineers with experience in NEBS; Tier 2, 3, and 4 customer support engineers; software engineers; router and IP experts; and experts of Central Office OA&M procedures.



We are committed to extend the life of your Legacy Telecom Equipment



- By providing experienced technical resources
- By developing repair/replace/spare parts strategies
- By developing consolidation and migration strategies

Summary

- Extensive Experience in Maintenance and Support
- Best in Class to Fight Obsolescence by Extending the life of your Legacy Equipment
- At ZT Technology Solutions, quality of service is never compromised. You can sleep well at night knowing that ZT is maintaining your network



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