



Zefr™  
MEMORY

memory for  
maximum uptime

In our information-driven age, powerful High Performance Computing (HPC) platforms are processing massive amounts of data in an effort to unlock its value. To yield the insights necessary to move humankind forward, HPC solutions constantly evolve.

Optimizing the reliability of the memory sub-system for maximum uptime is critical to success.

## INDUSTRY STANDARD RELIABILITY LEVELS FOR MEMORY FALL SHORT

Current accepted Defective Parts per Million (DPPM) rates create challenges for HPC applications:

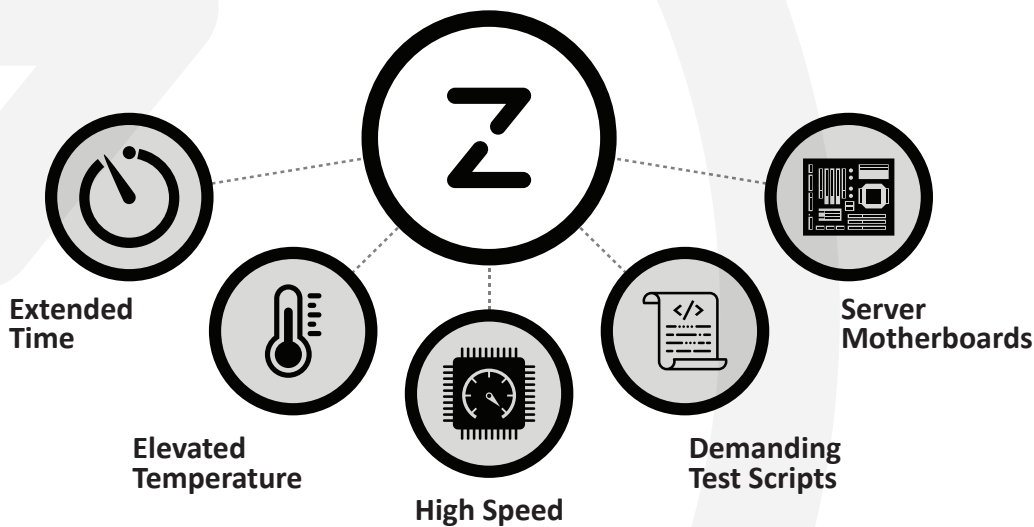
- **Delays Platform Bring Up**
- **Inflates Maintenance Costs**
- **Reduces System Yield Rate**



# Zefr (Zero Failure Rate) - eliminating over 90% of memory reliability failures.

## Zefr SCREENS MEMORY TO REAL-WORLD CONDITIONS

Zefr Memory has been intensely processed to filter out weak memory modules. The Zefr Process combines five key testing ingredients.

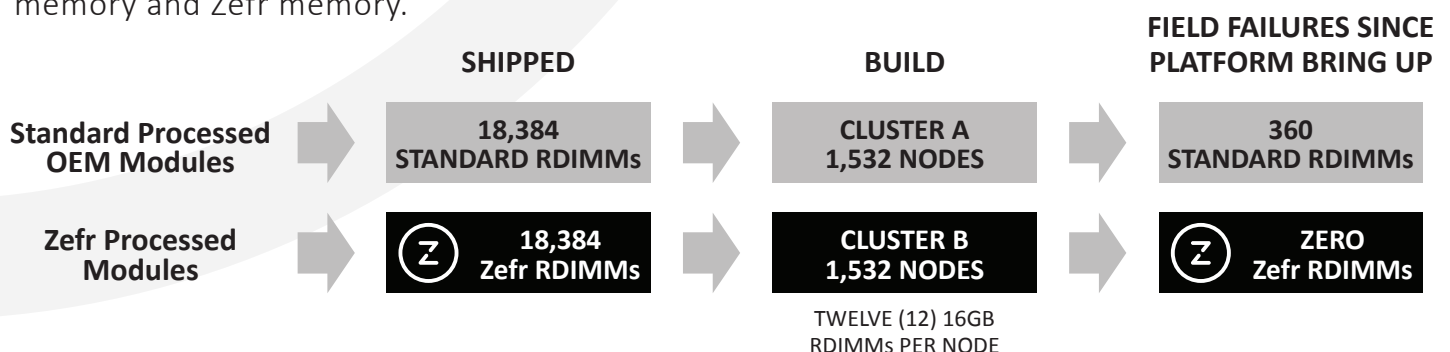


## Zefr BENEFITS

- Increase ROI
- Maximize HPV Yield Rate
- Accelerate the "Time-To-Insight"

## Zefr CASE STUDY

A HPC System Integrator built identical systems with standard memory and Zefr memory.



To learn more, visit  
[smartm.com/technology/Zefr](http://smartm.com/technology/Zefr)

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*With Zefr Memory, our High Performance Computing System came up fast, completed the acceptance-criteria period flawlessly, and has consistently operated reliably running our mission-critical jobs without disruption.*

*William Wu  
VP Products, Penguin Computing*

ADVANCED TECHNOLOGY  
SERVICES FROM SMART  
MODULAR TECHNOLOGIES

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- **SMART Memory Test Labs**
- **SMART Memory Supply Chain Services**
- **Zefr Memory**

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