

# SGI in HPC: The Anatomy of a Turn Around

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# HPC Leadership Recognition

HPCwire Ranks  
SGI #1 Vendor  
to Watch...**AGAIN**



SGI Receives 7 Readers' and Editors' Choice Awards for Outstanding Achievements in Science and Technology



# World Record Achievements

Speed

Fastest distributed memory supercomputer for 5+ years



Scale

Largest coherent shared memory supercomputers



Efficiency

The most efficient supercomputer in the TOP500



# Business Momentum: Poised for Growth

- 24% Revenue Growth
- HPC Big Deals: TI-14, TI-15, NIMMS, Total
- SGI is diversifying outside of Federal: Manufacturing, Research Markets, Oil & Gas and Automotive industries

# Convergence of HPC in the Enterprise

- The enterprise can benefit from the lessons learned from technical computing
- Data is exploding with the Nexus of Everything creating more complexity
- In Memory Analytics in Mainstream Apps
- Multi-PB Data lakes growing to Data Oceans

# Trend: In-Memory Moving to Enterprise



# Enhancing Postal Efficiency

## Customer

- United States Postal Service (USPS)



## Challenges

- Reduce mail fraud for 160 Billion packages per year
- Increasing demand for analysis and tracking, geospatial analysis

## Solution

- SGI® UV™ 2000 with Intel® Xeon® processors; NUMalink® Interconnect
- FedCentric's Memory-Centric Database (MCDB) Accelerator
- Oracle in-memory database



## Benefits

- Real-time fraud detection
- Rapid ROI through recouped lost revenue
- Considerable savings in Oracle licenses
- Follow up: Near-real-time decision making, geospatial mapping and analytics

