WD claims the WD Se HDD family is the first designed for scale-out datacentre deployments, with an enterprise platform ideal for large-scale replicated environments, mid-sized NAS and backup/archiving applications.

“Today’s cloud datacentre installations require a cost-effective way to build large-scale storage systems, while maintaining the 24x7 reliability necessary to minimize total cost of ownership,” WD says. “WD’s utilization of vast amounts of manufacturing and engineering data has forced us-– like many other companies-– to use map-reduce methodologies to effectively analyze our data. The WD Se hard drives are used in our own big datacentre, where we have gained real-world experience with Apache Hadoop.”

The drives feature dual processors, enhanced Rotary Acceleration Feed Forward (RAFF) technology, StableTrac securing the motor shaft at both ends (reducing vibration) and a multi-axis shock sensor.

RAID-specific time-limited error recovery (TLER) prevents drive fallout from extended HDD error-recovery processes, while dynamic fly height technology adjusts the fly height of read-write head in real time.

The WD Se HDDs (models WD2000F9YZ, WD3000F9YZ, and WD4000F9YZ) are available in now in capacities from 2 to 4TB.

Go WD Designs Enterprise-Class HDDs for Exploding Scale-Out Datacentre Market