



### **Toshiba to demonstrate a petabyte scale media storage solution at IBC**

Live demonstration on Toshiba booth – with support from partners available

**Düsseldorf, Germany, 12 September 2023** – Toshiba Electronics Europe GmbH (Toshiba) will be attending the International Broadcasting Convention (IBC) from 15-18 September this year where, among the exhibits on their booth will be a live demonstration of a high capacity, high performance hard disk drive (HDD) based storage solution. Intended for media applications, and based on Toshiba's MG10 20TB HDDs, the system is capable of up to 1.2 petabyte (1,200 TB) of raw storage.

In digital media storage, capacity requirements are continuously increasing due to the amount and resolution of media being stored. Video and audio footage requires extensive storage at the lowest cost-per-capacity possible, but still at a high reading and writing speed. Ongoing innovation in HDD technology and the surrounding system architecture and components means that HDD based solutions will remain the preferred technology for large and cost effective media storage.

At their booth this year, Toshiba will be featuring a live performance demo of a complete high performance, high capacity storage system, based upon their market-leading HDDs. The system will comprise:

- Toshiba's Enterprise 20TB SAS HDD MG10SCA20TE
- Promise 60-Bay JBOD VTrak J5960
- ATTO ESAH-12 SAS/SATA Host-Bus-Adaptors
- ATTO FFRM-N4 100GbE NIC Cards
- Open-E's JovianDSS ZFS based SDS software
- AIC's SB202-TU PcieExpress Gen4 Server

At the heart of the system will be 60 of Toshiba's 3.5" 20TB SAS MG10SCA HDDs. The MG10 series features Toshiba's fourth-generation, 10-disk helium-sealed design to advance Conventional Magnetic Recording (CMR) density to 2TB per disk.

These 60 HDDs run very efficiently in a Promise VTrak J5960 JBOD, connected to the head-node control server using ATTO's ESAH-12 SAS Host Bus Adaptors. On the AIC SB202-TU head-node server, the JovianDSS software from Open-E implements a ZFS pool delivering iSCSI targets and shared folders through a 100GbE network based on ATTO's FFRM-N4 NIC cards to the application demo server.

IBC 2023 is where the future of the global media and entertainment industry is defined and actioned, bringing the creative, technology and business communities together to collaborate, learn and unlock new opportunities.

Toshiba can be found in Hall 6, booth 6.A27 where their team and specialists from [Open-E](#) and [Promise](#) will be available to discuss the live demo. [ATTO](#) will provide support from their booth 7.A26 in Hall 7.

For more information on Toshiba's full line of HDD storage products, please visit [www.toshiba-storage.com](http://www.toshiba-storage.com).

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#### **About Toshiba Electronics Europe**

[Toshiba Electronics Europe GmbH](#) (TEE) offers European consumers and businesses a wide variety of hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. Next to HDDs, the company's broad portfolio encompasses power semiconductors and other discrete devices ranging from diodes to logic ICs, optical semiconductors as well as microcontrollers and application specific standard products (ASSPs) amongst others.

In addition, TEE also offers Toshiba's SCiB™ battery cells and modules with lithium titanium oxide (LTO) for heavy-duty applications and Silicon Nitride (SiN) ceramic substrates used in power semiconductor modules, inverters and converters for their heat dissipation characteristics and strength.

TEE has its headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing marketing, sales and logistics services.

Visit Toshiba's websites at [www.toshiba-storage.com](http://www.toshiba-storage.com), [www.toshiba.semicon-storage.com](http://www.toshiba.semicon-storage.com), [www.scib.jp/en](http://www.scib.jp/en) and [www.toshiba-tmat.co.jp/en/](http://www.toshiba-tmat.co.jp/en/) for further company and product information.

**Contact details for publication:**

Toshiba Electronics Europe GmbH, Hansaallee 181, D-40549 Düsseldorf, Germany

Tel: +49 (0) 211 5296 0 Fax: +49 (0) 211 5296 79197

Web: [www.toshiba-storage.com](http://www.toshiba-storage.com) [www.toshiba.semicon-storage.com](http://www.toshiba.semicon-storage.com)

E-mail: [marcom@tee.toshiba.de](mailto:marcom@tee.toshiba.de)

**Contact details for editorial enquiries:**

Miriam Theissen, Toshiba Electronics Europe GmbH

E-mail: [MTheissen@tee.toshiba.de](mailto:MTheissen@tee.toshiba.de)

**Issued by:**

Maria Scharnberg, Publitek

Tel: +49 (0)4181 968098-40

E-mail: [maria.scharnberg@publitek.com](mailto:maria.scharnberg@publitek.com)

Web: [www.publitek.com](http://www.publitek.com)

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