ATTO
5600 K MH5

### 5600 K Productions Turns to JetStor® & ATTO to Help Meet Clients' Every Film & Video Need

Production Company Anchors New Studio with a JetStor Platform & ATTO HBAs to Support Even the Largest Projects

Production workstations

10 Gb/sec
Ethernet links

10 GbE Network switch

Four 10 Gb/sec
Fibre links

Server from APY

Dual ATTO Celerity
16Gb FC HBAs

JetStor 816FX FC SAN platform

mLogic LTO-9 tape system
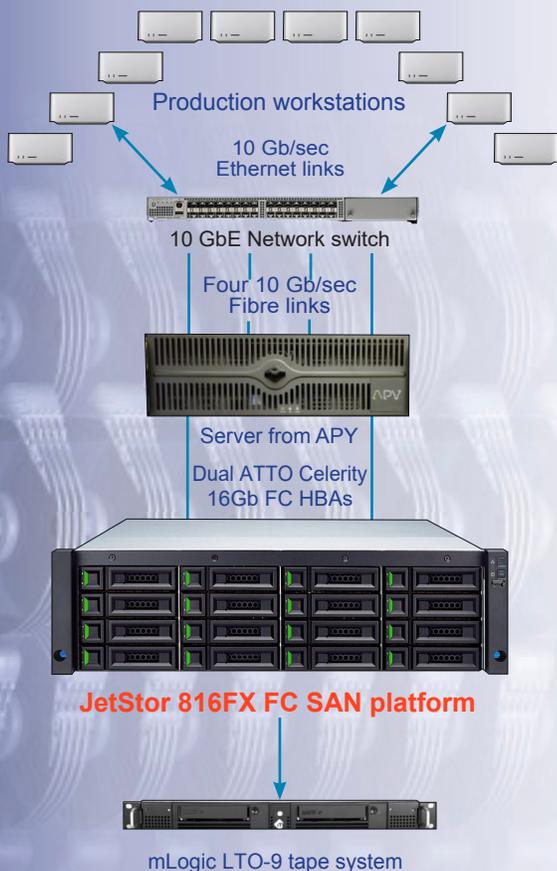
If you need to produce some advertising, a corporate film, television content, a documentary, or even a feature film, turn to 5600 K production / MH5, a leading provider of film and video services. You'll have access to the full gamut of pre-production, production, and post-productions capabilities, from scripting and set design, to direction and lighting, to editing, color correction, and even animation. Its name stems from the temperature of sunlight at noon—5600 degrees Kelvin.

5600 K has a presence in both North America and Europe with his headquarters and studios in Trois-Rivieres, Quebec, Canada, some 90 miles east of Montreal, and a sales office in Laval, near Montreal. With 25 highly qualified employees, the firm ensures that every film and video need is met.

THE CHALLENGE

To support its growth, 5600 K built a second production studio in Quebec province, this one more spacious at over 5,000 square feet. The firm was producing a large film project in the studio and needed to enable eight editors and two 3D animators to concurrently access and work with high-resolution footage. They had to store terabytes of data not weekly, but daily.

The company's legacy server, however, while once adequate for smaller projects, lacked both the speed and capacity to handle such torrents of data.

The challenge was especially pressing because meeting deadlines and safeguarding its clients' work are essential to 5600 K's business. Moreover, the company required a solution that was quick to deploy so it could rapidly commence production. 5600 K turned to Montreal-based APY MTL, Inc., a premier provider of computers and video and studio equipment for the gaming, film, and video industries.

"APY is our long trusted partner because it understands our demand for the highest-quality solutions," said Martin Saulnier, producer and director at 5600 K productions / MH5. "To produce our current project as well as all those going forward, we required uncompromising speed and reliability with our storage. With that in mind, APY had every confidence that a JetStor solution from AC&NC with Celerity™ 16Gb FC HBAs from ATTO would meet our every need."

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CUSTOMER TESTIMONIAL

THE SOLUTION
• A JetStor 816FX Fibre Channel SAN platform from AC&NC

• SYSTEM CONFIGURATION

• A JetStor 816FX FC SAN platform with 16 12TB SAS drives
• ATTO Celerity 16Gb/s Fibre Channel Host Bus Adapters
• Server from APY
• 10 GbE Network switch
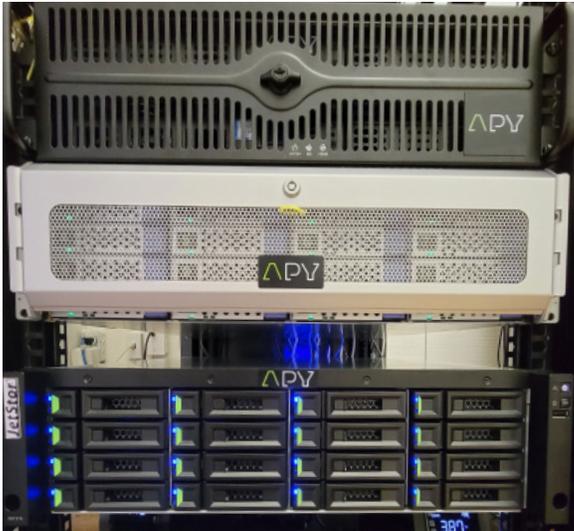
5600 K's JetStor 816FX FC SAN Platform with ATTO Celerity FC HBAs (bottom) and a Server from APY (top)

BENEFITS IMMEDIATELY REALIZED

APY recommended a JetStor 816FX FC SAN platform with 16G FC HBAs from ATTO Technology for 5600 K's new studio. "We have long relied on JetStor products to meet our clients' storage needs," said Antoine Laroche, Vice-President of Operations for APY MTL, Inc. "We knew from many prior installations that JetStor products deliver the performance, capacity, and dependability that 5600 K needed. Additionally, the JetStor 816FX device is near plug'n play, making it quick to deploy."

Thanks to its ease of installation, the JetStor 816FX platform was up and running in little time, supporting 5600 K's team of editors and animators. They use sophisticated software such as Tiger Store for collaborative file sharing and Tiger Spaces for efficient project management, Final Cut Pro for advanced video editing, and DaVinci Resolve for post-production tasks like color correction, visual effects, and motion graphics.

Up to five terabytes of multi-camera footage are reliably stored on the JetStor 816FX solution every day. "Our JetStor 816FX system has met our every expectation," said Justin Antippa, producer and director at 5600 K productions / MH5. "Even with eight editors and two animators working with huge files simultaneously, the solution provides the speed and reliability to meet our every deadline. Our clients are happy, which makes us happy."

HOW WE DID IT

The production company installed a 3U JetStor 816FX Fibre Channel platform with a 12TB SAS drive in each of its 16 bays for a total of 192 terabytes of capacity and 16Gb Fibre Channel HBAs from ATTO Technology. It also acquired two more drives to serve as backups.

The JetStor device features dual-active controllers that operate concurrently. This architecture doubles the available host bandwidth, enhances utilization of system resources, and maximizes throughput.

TECHNICAL OVERVIEW

**JetStor 816FX Fibre Channel SAN Platform
with ATTO Celerity FC HBAs**

If one controller fails, the other controller will transparently take over all storage services.

The JetStor 816FX array is configured for RAID 6. RAID 6 protects against the failure of two disks, making it ideal for mission critical applications.

The JetStor 816FX system links via dual ATTO 16 Gb/s Fibre Channel HBAs to an APY server, which connects to a Network switch with four 10 Gb/s fibre links. Mac and PC workstations attach to the switch at 10 Gb/s speed. The result is a robust, reliable storage area network (SAN), capable of supporting even the largest film and video files.

To back up and archive its data, 5600 K attached an mLogic LTO-9 tape device to its JetStor 816FX platform. Copies of files are stored on 18Tb tape cartridges.

CONCLUSION

Thanks to its JetStor 816FX FC solution, 5600 K gained high-end storage services to support its new studio. "We will never compromise on quality, which why our JetStor storage solution was our best option," said Saulnier. "The fact that it was cost-effective was an added bonus. The partnership between AC&NC and APY enabled us to meet our clients' most demanding shoots and their tightest deadlines. We're more than satisfied."

ABOUT ATTO
For over 33 years ATTO Technology, Inc. has been a global leader across the IT and media & entertainment markets, specializing in network and storage connectivity and infrastructure solutions for the most data-intensive computing environments. ATTO works with customers and partners to deliver end-to-end solutions to better store, manage and deliver data, ofen as an extension of their design teams. ATTO manufactures host adapters, smart NICs, storage appliances and controllers, intelligent bridges, Thunderbolt adapters, and sofware. ATTO solutions provide a high level of connectivity to all storage interfaces, including Fibre Channel,SAS, SATA, iSCSI, Ethernet, NVMe and Thunderbolt. ATTO is the Power Behind the Storage.

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ATTO Technology, Inc.
155 CrossPoint Parkway
Amherst, New York 14068
Call +1.716.691.1999
Fax +1.716.691.9353

www.atto.com