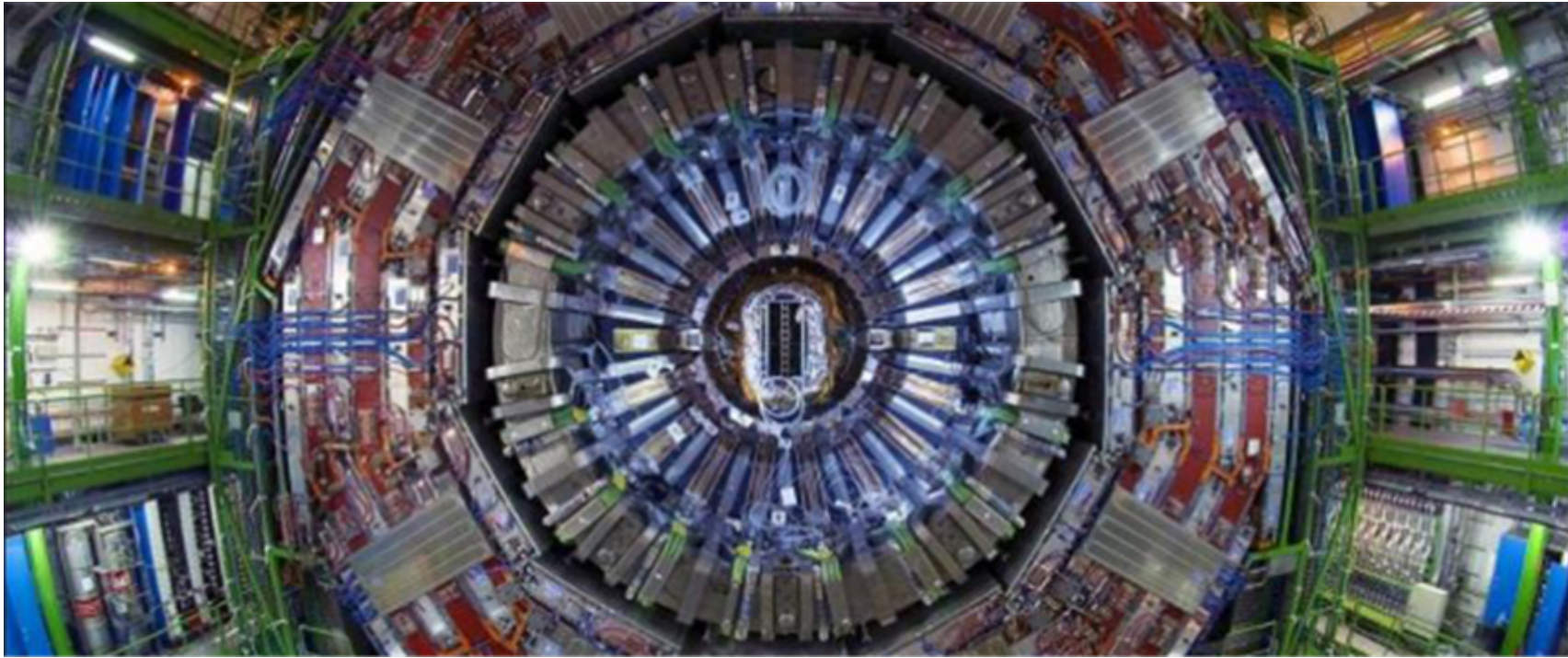# SEAGATE COLLIDES WITH CERN ON BIG DATA

Business Intelligence

by James Nunns| 16 March 2015

Collaboration with CERN's openlab to develop Seagate's Kinetic Open Storage platform.

Seagate has announced that it is entering a three-year partnership with CERN openlab in order to collaborate on the development of the Seagate Kinetic Open Storage platform.

The goal of the partnership is to be able to help CERN to better manage its 100 petabytes of data that the Large Hadron Collider has generated to date. With an additional 2-3 petabytes of information produced on a monthly basis.

Alberto Di Meglio, Head of CERN openlab, said: "CERN creates a truly astonishing amount of data on a daily basis, and finding secure and efficient ways to store that information is one of the most important challenges we face."

"We are excited to collaborate with Seagate on understanding how the Kinetic storage architecture could potentially contribute to the CERN infrastructure and aid the very demanding LHC program, by reducing complexity and operational costs in our storage systems."

Seagate's Kinetic Open Storage platform will restructure the traditional storage server architectures from the bottom up, connecting object-oriented applications directly to the storage device.

In order to improve performance and to cut costs by 15-40%, many layers of hardware and software have been removed.

Scott Horn, vice president of marketing at Seagate, said: "This is a thrilling opportunity for Seagate to collaborate with CERN to more efficiently operate one of the most extreme and demanding storage environments in the world."

"We believe our partnership will not only deliver extensive benefits to CERN's large-scale storage system, but also help us further enhance the Seagate Kinetic Open Storage platform by testing it in an unparalleled data creation environment."

CERN openlab is now in its fifth three-year phase and aims to accelerate the development of innovative solutions to be used by the worldwide LHC community.

Future research between Seagate and CERN will look at enhancing and improving CERN's EOS storage system.

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