

TECHNOLOGY IN ACTION

HELPING CERN TRACK
ATOM PARTICLES



diamondsolutionsgroup



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PARTNERING WITH MICROSOFT AND CERN TO TRACK ATOM PARTICLES

Diamond Solutions Group and Microsoft help CERN track atom particles in Hadron Collider Experiments

CERN conducts experiments using their 300 mile long circular Hadron Collider to discover the effects of atoms meeting head on at the speed of light. With Microsoft's AI technology powered by FPGA's CERN is able to precisely track the trajectories of quarks after collisions occur.

Diamond Solutions Group was able to create a live demonstration of this technology in action, real time.

TECHNOLOGIES USED:

FRONT END FRAMEWORK:

Angular
SignalR

BACK END TECHNOLOGY:

ASP.NET Web API
.NET Core
SignalR

SOURCE CONTROL:

Git

WEB SERVER:

IIS

HOSTING PLATFORM:

Azure

