

Case Study

BrainZell Secures Sensitive AI Research Workflows with ShardSecure



Customer Overview

BrainZell is a Stockholm-based biotechnology innovator developing advanced human brain organoid models to accelerate drug discovery and improve understanding of neurological diseases. Their research environment involves large volumes of highly sensitive experimental data and increasing use of AI-driven analytics and computational research workflows.



The Challenge

As BrainZell expanded its use of AI and machine learning models to analyze experimental datasets such as organoid imaging and neural activity data, the company needed stronger control over how proprietary research data could be accessed, shared, and used across research teams, cloud environments, and external collaborations.

Traditional security approaches focused primarily on end-point protection and network controls, but did not provide sufficient visibility or governance over how sensitive datasets were retrieved and exposed within AI-enabled research workflows.



The Solution

BrainZell implemented ShardSecure to introduce data-level governance and least-privilege access controls across research datasets used in AI experimentation and advanced analytics.

ShardSecure enables BrainZell to control how datasets are accessed during AI model analysis, limit data exposure to only the minimum required information, support secure collaboration with pharmaceutical and academic partners, and maintain flexibility in adopting cloud and AI technologies while protecting valuable scientific intellectual property.



Business Impact

With ShardSecure in place, BrainZell gained greater confidence in applying AI-driven research methods, strengthened protection of proprietary experimental data, improved trust with research partners, and increased agility in scaling advanced computational workflows.



Customer Quote

“ShardSecure helps BrainZell protect the highly sensitive research data behind our brain organoid technology. This gives us confidence to collaborate securely with partners and apply AI-driven analysis as we develop the next generation of therapies for brain diseases.”



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