SUCCESSFUL DATA STORAGE IN THE GENETIC FOOTPRINT

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ABOUT US

We are very productive beings. 500 million tweets are sent daily on X. 294 billion emails are exchanged daily. but this is not all! ...By 2025, it is estimated that 463 exabytes of data will be created globally every day. (To put this into perspective, that's the equivalent of 212,765,957 DVDs produced every day.)

WE WILL EXAMINE DNA DATA STORAGE FROM 3 MAIN PERSPECTIVES:

- SCIENTIFIC PERSPECTIVE
- MARKET PERSPECTIVE
- FUTURE PERSPECTIVE

SCIENTIFIC PERSPECTIVE

In response to this growing concern, researchers are turning to a more organic solution: DNA. Renowned for its ability to store vast amounts of genetic information in a compact form, DNA offers an innovative alternative to traditional data storage methods.

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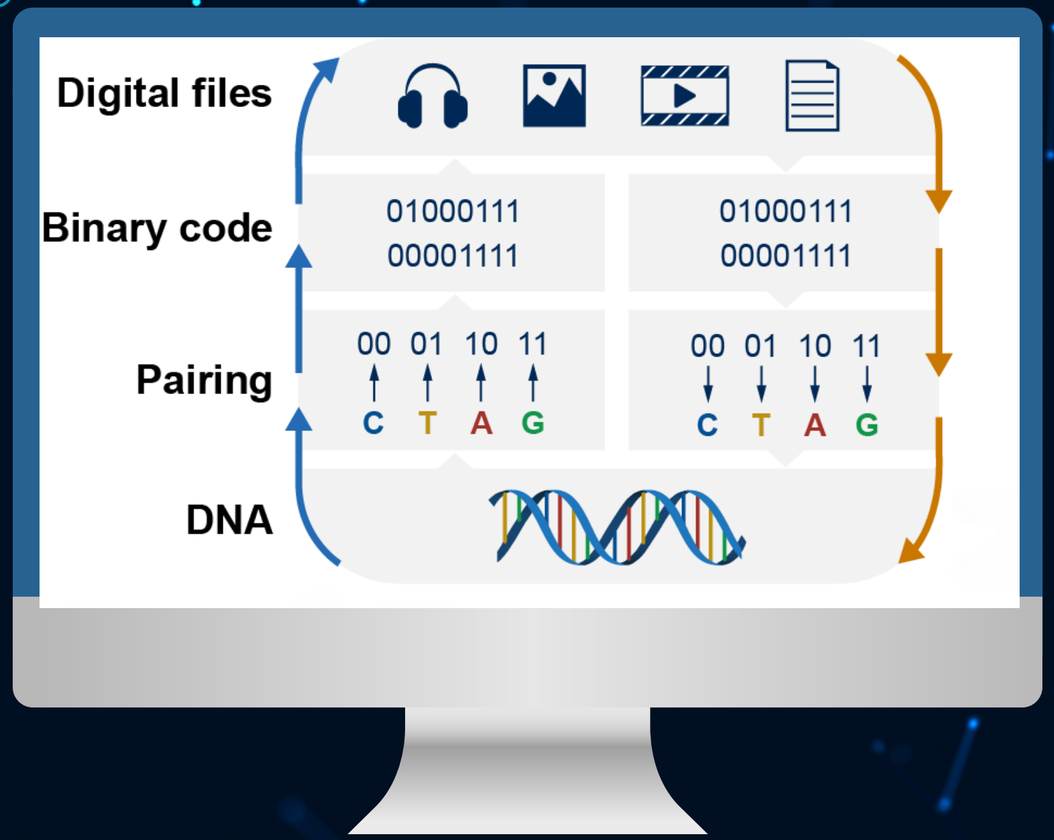
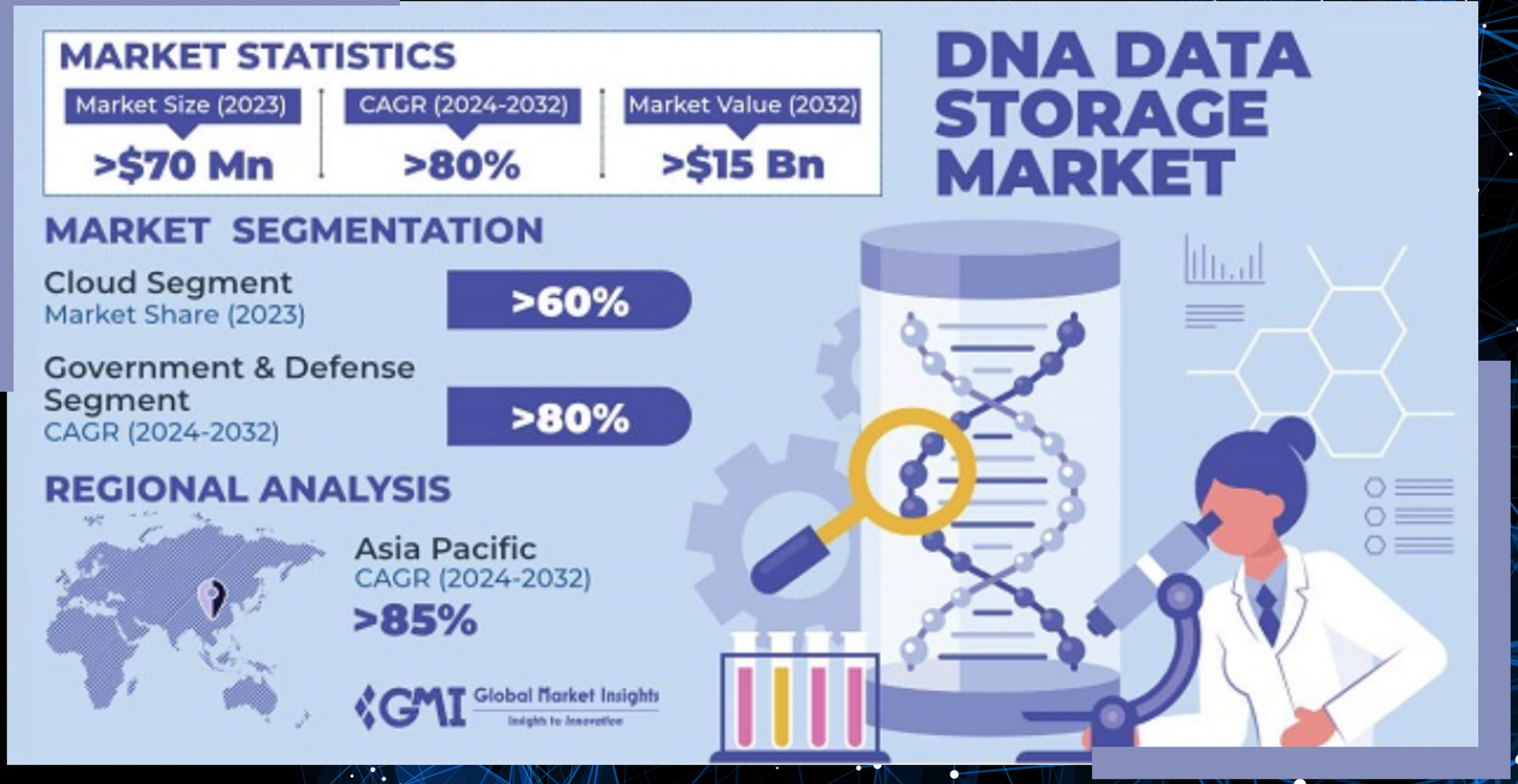


SCIENTIFIC PERSPECTIVE

Traditional digital storage systems represent all types of data, including text and images, through a binary code of 0s and 1s. Likewise, DNA can encode this information using its four nucleotides: A, T, G, and C.

MARKET PERSPECTIVE



STARTUP ECOSYSTEM

1

CATALOG

USA BASED COMPANY
FOUNDED IN 2016

2

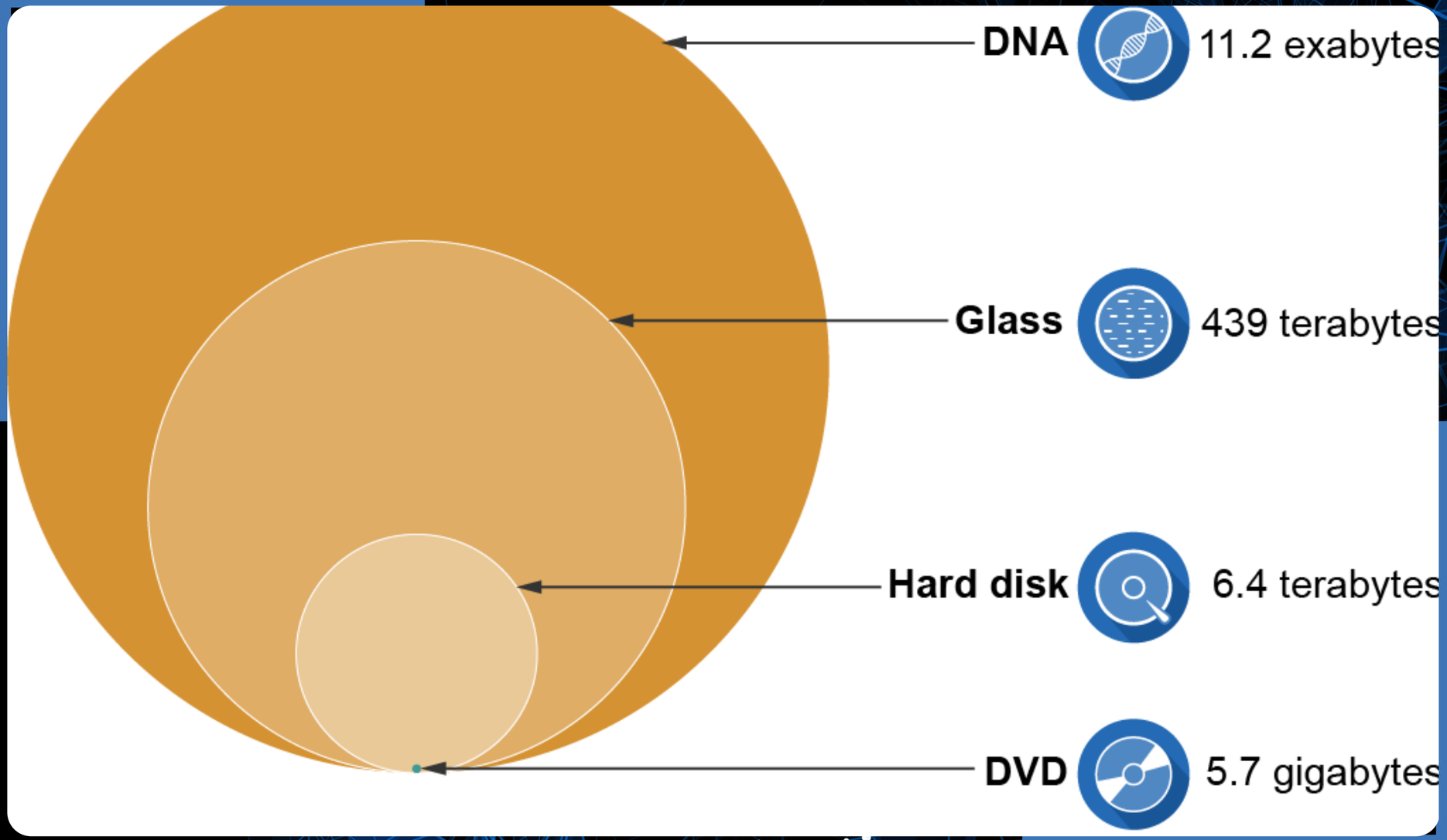
BIOMEMORY

FRANCE BASED
COMPANY

3

HELIXWORKS

USA BASED COMPANY
FOUNDED IN 2016


DNA
11.2 exabytes
Glass
439 terabytes
Hard disk
6.4 terabytes
DVD
5.7 gigabytes

THANK YOU