NEW DAM TECH

With the growth of new technologies also comes a shocking increase in the volume of digital assets (6)



The reducing lifespans of technologies quickly makes them obsolete or in need of upgrades / replacements (2)



The growth of Artificial Intelligence (AI) systems has increased our demand for resources, with adverse effects on the environment (7)



Ensure well-structured asset organization and taxonomy (4)



Employ cloud-based storage **solutions** to decrease energy usage and carbon emissions compared to maintaining on-premises servers (4)

Effective versioning allows

for a more effective reuse

and repurposing system,

translating to a more

DAM OPTIMIZATI





Ensure easy collaboration within the centralized DAM system to eliminate the need for unnecessary correspondence that would increase overall carbon footprint (4)



 While AI has its own environmental concerns, its predictive and recognition machine-learning capabilities can be embedded into a DAM to improve DAM efficiencies and



Complete further research to expand our knowledge of Al's environmental impact (7)



Develop frameworks for reporting and disclosing Al's environmental impacts (7)

WHY CARE?



Establish standardized methods for measuring green Al systems (7)



DAM PRACTICES

As the world of Digital Asset Management grows, we must do what we can to

mitigate its environmental impact and practice green DAM strategies.(2)

By understanding the relationship between sustainable DAM systems and

their impact on our planet, we can lessen the ecological consequences, reduce

carbon emissions, and promote a more sustainable digital future.(2)

Implement version control to eliminate duplicate files to lessen carbon dioxide emissions without increasing storage space (4)

Optimize the size of larger,

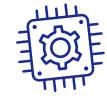
rich media assets to reduce

their storage space and

storage energy needs (4)



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therefore reduce carbon emissions (3)(5)



RESOURCES

& WASTE The constant upgrading

and replacement of DAM infrastructures further exacerbates the industry's carbon footprint and the creation of e-waste (2)



Digitize assets to *eliminate* the need for physical **copies**, reducing the carbon emissions from the production and transport of physical materials (4)



Develop sustainable design principles that prioritize resource efficiency, recyclability, and the use of safer materials (2)



Employ Life Cycle Analyses to assess the impact of DAM infrastructures, from its cradle to its grave (8)



Use repair/replace analyses and risk management processes to make decisions on the need for updating DAM infrastructures and the environmental impact of new equipment/technologies (1)

Invest in the research and development of sustainable materials to reduce the need for rare earth materials used in making DAM infrastructures (2) Transition to renewable energy sources to power digital infrastructures and optimize asset storage & transmission

processes (2)













Use **Building Environmental** Assessment Methods and Life Cycle Analyses to understand DAM's demand on power infrastructures (8)







The majority of the energy used to power DAM interfaces comes from non-renewable sources such as coal and oil that emit greenhouse gases (2)





