



Emerald Circuit Artifact Preservation and Monitoring Solutions: From Exhibit to Blockchain

“As a result, monitoring and controlling the museum’s ambient conditions is the most important task to prolong the lifetime of the museum contents”

-[IoT Monitoring of Museums](#)

Museum Artifact Preservation:

The management of ancient or delicate artifacts - often art or historical objects - maintained under specific conditions for the public to observe and for experts to study.

Problems to be Fixed

Lack of continuous measurement of the contents of museums or fine Art, coupled with the labor intensive management process of the conditions of exhibits and artefacts creates a problematic and costly management environment.

Emerald Circuit Solutions

Integrated humidity and temperature sensing solutions into exhibits, networked with one another and providing alerts to museum curators in real-time. For the transportation, preservation and non-public management of artifacts, museums are able to utilize the smart container for keeping objects under monitored conditions in real-time.

Primary Value Provided

Artifact security from decay, anti-tampering from the public, and increased efficiency and management for museum curators. Digitalizing the artifact protection process leads to better preservation of artifacts which can also make a museum more fit for hosting shows or events that involve the movement of artifacts from one place to another.

Market Size and Geographical Hot Spots

There are over [55,000 museums in more than 200 countries](#). In the United States museums report [average revenue of \\$15 billion dollars](#). As of February 7th of 2020, the Museum Technology market has been indicated as being [‘on the rise’](#) largely due to investments in security. Geographical hotspots include the United States, China, Russia, the Middle East, and Europe.

