AMMTIAC Digitizes Corrosion Documents

AMMTIAC is in the process of digitizing thousands of corrosion related documents to be used by scientists, engineers, and program managers endeavoring to make Department of Defense assets more resistant to corrosion. This project is a part of DTIC's Total Electronic Migration System (TEMS) initiative, which provides instant access to Scientific and Technical Information (STI) through electronic documents. AMMTIAC has been providing ongoing support to the initiative with regular uploads of electronic documents from its library; however, since corrosion is presently a high interest area within the DoD, AMMTIAC has accelerated its effort to convert the corrosion portion of its paper document library to the more accessible electronic form.

The Department of Defense is currently engaged in an ongoing battle with corrosion, which affects most equipment, facilities, vehicles, and weapons systems. This pervasive problem is very costly, so to help reduce corrosion-related expenses AMMTIAC is improving accessibility to decades of corrosion research and technology development. Much of this research is relevant to today's scientists and engineers who are working on programs that require improved corrosion prevention and control methods and technologies. Improving accessibility to this information will ensure improved consideration of corrosion during system design and sustainment.

In order to facilitate the use of corrosion information, AMMTIAC, in a partnership with DTIC, has embarked on an effort to improve the availability of these documents. To accomplish this goal, AMMTIAC first searched through its library database and identified thousands of documents related to the subject of corrosion. Subsequently, these documents were evaluated against a set of criteria to prioritize the digitization process. Those that were selected were then entered into a queue for digitization. Currently, AMMTIAC is in the process of digitizing more than 6,700 documents, of which more than 2,000 have been digitized and 1000 have already been uploaded to TEMS.

This effort will ultimately facilitate the use of scientific and technical information associated with the corrosion of materials and systems, as well as corrosion prevention and control technologies, by providing access to full text resources via the Total Electronic Migration System (TEMS) knowledge base. The TEMS database provides access to the entire collection of electronic IAC holdings. By centralizing and standardizing electronic IAC documents, TEMS enables users to search, retrieve, and employ valuable Scientific and Technical Information. AMMTIAC will digitize the remaining corrosion-related documents and as a result make them available to the DoD science and technology community. This will enable improved consideration of corrosion for new systems being developed, thus reducing future corrosion costs.

Looking for one of these documents?
Explore the TEMS database now:
https://tems-iac.dtic.mil/