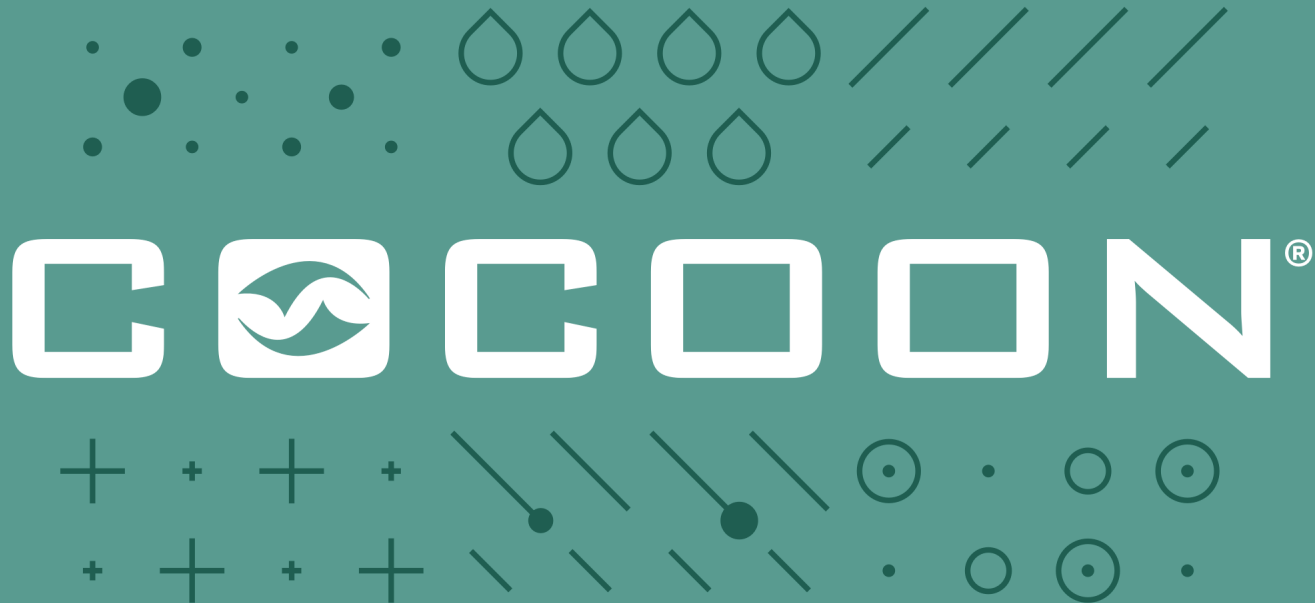


INTRODUCTORY BRIEF



Corrosion-Free Environments

Maintaining Critical Assets in Ready-to-Go Condition

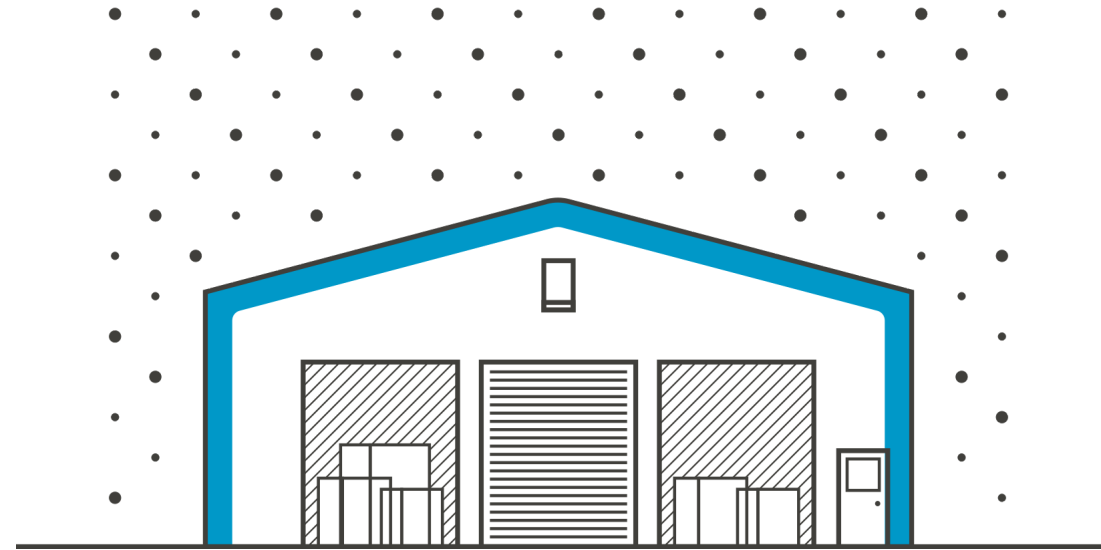
POC

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Corrosion-Free Environments

Complete protection for critical assets

Keeping your critical assets in a Corrosion Free Environment virtually stops the aging process and neutralizes the corrosion, mold, and mildew that reduce mission readiness, increase maintenance costs, and put soldier safety at risk.



Corrosion-Free Environments
Applications



- + Aircraft storage
- + Vehicle storage
- + Warehouses
(prep. stock, parts, etc.)
- + Ordnance (incl. ECMs)
- + Containers
- + Preposition Ships
- + Mothballing Facilities



Problem Statement



Corrosion is a **24/7/365 Battle**

When exposed to the elements, critical assets begin to corrode almost immediately.



RAIN



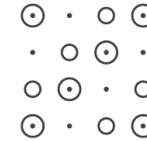
HUMIDITY



UV RAYS



SAND & DUST



MOLD



SALT



SNOW



WIND



EXTREME
TEMPERATURES

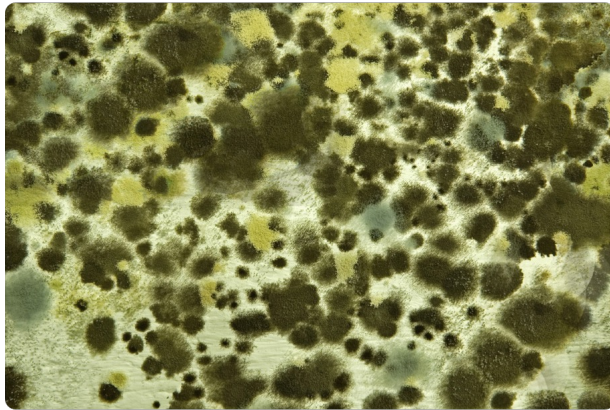


POLLUTANTS



It's estimated that corrosion is responsible for 1,150,110 Non-Available Days (NADs) across the military.

(LMI FY18 UPDATE)



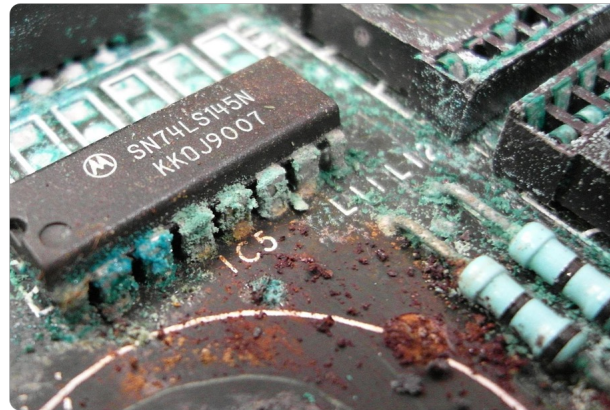
Mold



Softening of Packaging



Corrosion



Electronics Corrosion

Corrosion is a **24/7/365 Battle**

- + Mold, mildew, insects at 70% RH
- + Softening of packaging at 55% RH
- + Corrosion at 50% RH
- + Contact corrosion on electronics at 40% RH

Maintaining less than 40% RH prevents all of the above.

📍 Corrosion-Free Environments

Corrosion is a DoD-Wide Problem

**Different names but the same goal
across military branches:**

- + Level III Aircraft Preservation
- + Army Preposition Stores (APS)
- + Maritime Prepositioning Force (MPS)
- + Corrosion Prevention Control (CPC)
- + Controlled Humidity Preservation (CHP)
- + National Defense Reserve Fleet (NDRF)
- + Ready Reserve Force (RRF)
- + Passive Storage
- + US Air Force War Readiness Material (WRM)





“Corrosion, in one form or another, is causing military assets to deteriorate, shortening their useful lives. The resulting increase in needed repairs and replacements drives up costs and takes critical systems out of action, reducing mission readiness.”

(GAO-11-318SP)



Elements Essential to Success



📍 Corrosion-Free Environments

What Represents a Complete Solution

- + An environment that allows you to control humidity levels. (We can retro-fit existing space or put up purpose-built space.)
- + Humidity control systems that work in any climate (this excludes condensing units) and are standardized for the purpose of part-sourcing, maintenance, training, etc.
- + Maintaining 40% RH +/- 5% in order to stop the aging process and fully protect your assets from corrosion.



- + A system that monitors and measures RH and provides real-time alerts when out of spec.
- + Regular reports that provide assurance that you're in spec.
- + Eyes-on inspections and regular maintenance.



Cocoon's Capabilities

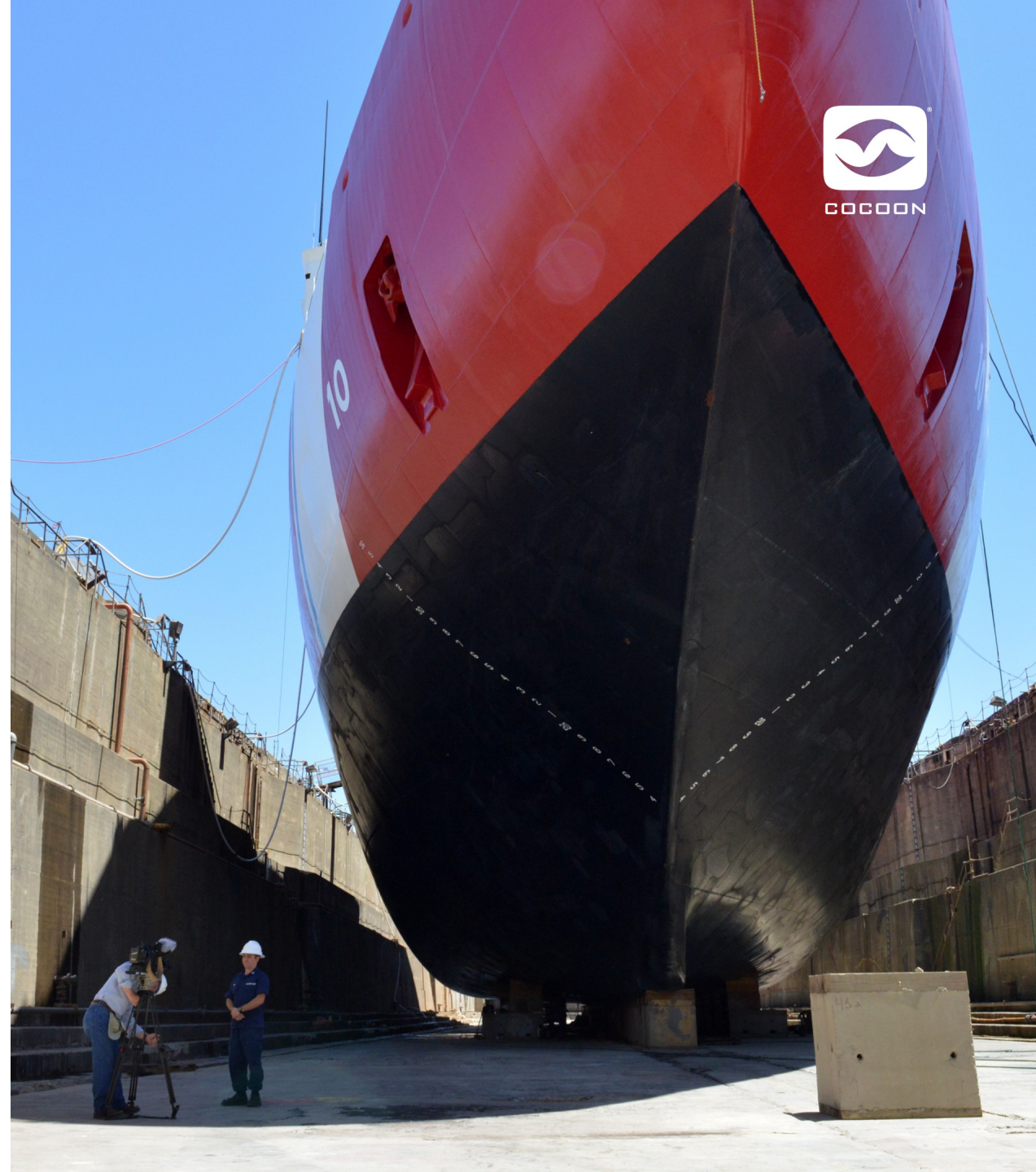


Corrosion-Free Environments

Depth of Experience

Cocoon actually got its start mothballing ships, power plants, and refineries in the 1970s, so we have deep experience in what it takes to establish and maintain corrosion-free environments.

Icebreakers are just one of the high-value assets we preserve and protect from corrosion.



Breadth of Experience

Cocoon has built numerous corrosion-free environments - around the world and in every kind of climate.



Level III Aircraft Preservation



Maritime Prepositioning Force (MPS)



Army Preposition Stores (APS)



Controlled Humidity Preservation (CHP)



Corrosion-Free Environments

Additional Examples



Facilities can be built to any length



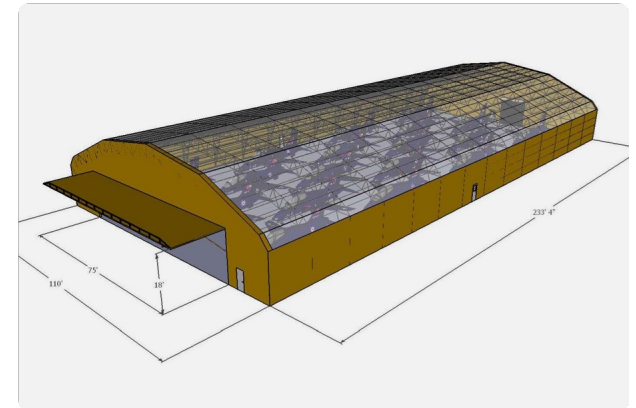
A translucent roof provides natural light



Buildings can be open space or fitted with rack systems



This structure is built to withstand typhoon winds



Spaces are designed for maximum capacity

Optional Features and Systems



Fire suppression systems



Targeted air conditioning



External insulation system greatly reduces thermal loss



Options include power and lighting systems and overhead fans



Overhead cranes can be included, even in LAMS



Mezzanines and/or modular office spaces



The Payoff



Corrosion-Free Environments

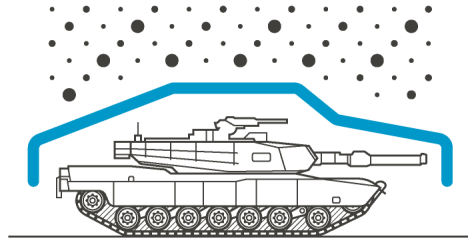
An ROI Measured in **More Than Money**

- + Increase your operational readiness and reduce your Non-Available Days.
- + Decrease your maintenance costs.
- + Reduce engineering and maintenance man-hours.
- + Extend the useful life of your assets.

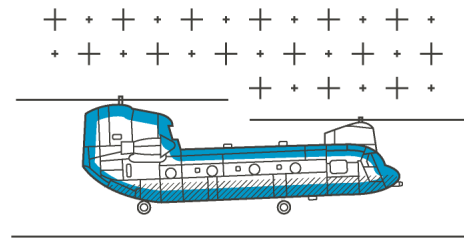


- + Benefit from an impressive ROI (in one of our facilities the corrosion-free environment paid for itself in 5 weeks).
- + Improve soldier safety.
- + Provide leadership with ongoing proof of effective corrosion mitigation.

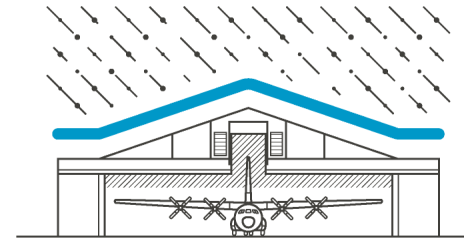
Increase readiness while reducing maintenance costs.



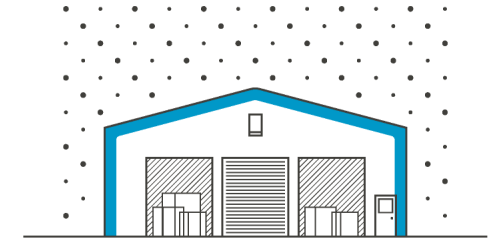
 PROTECTIVE COVERS



 AVIATION BLANKETS



 FABRIC STRUCTURES



 CORROSION-FREE ENVIRONMENTS