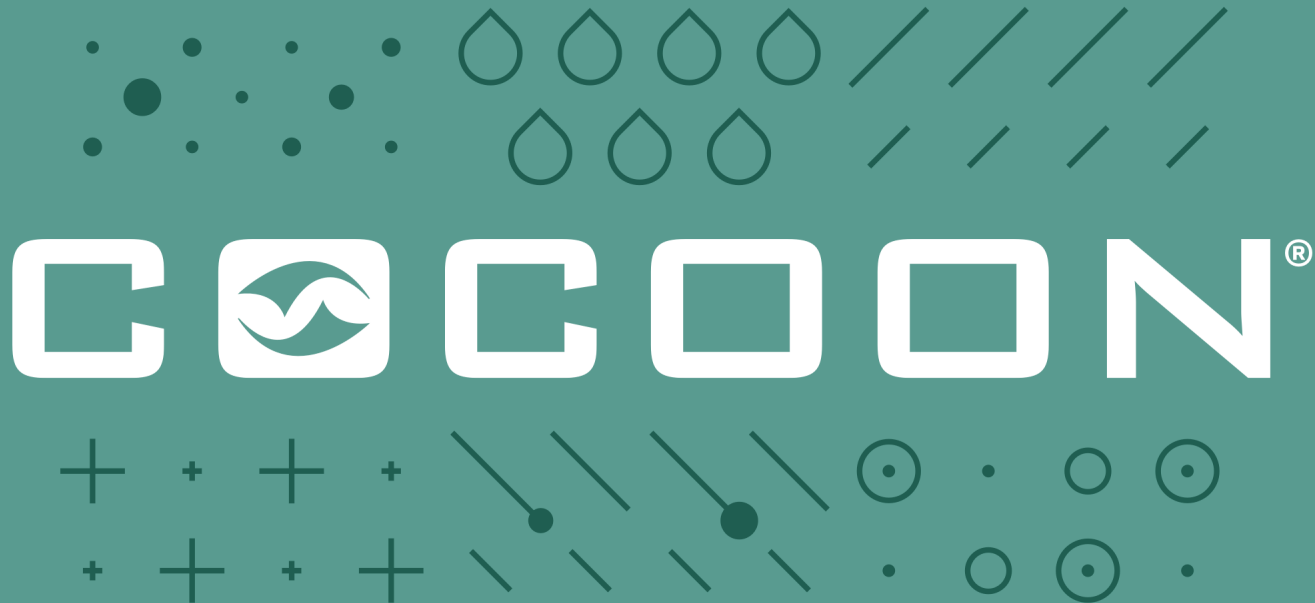


INTRODUCTORY BRIEF



CFE Assurance

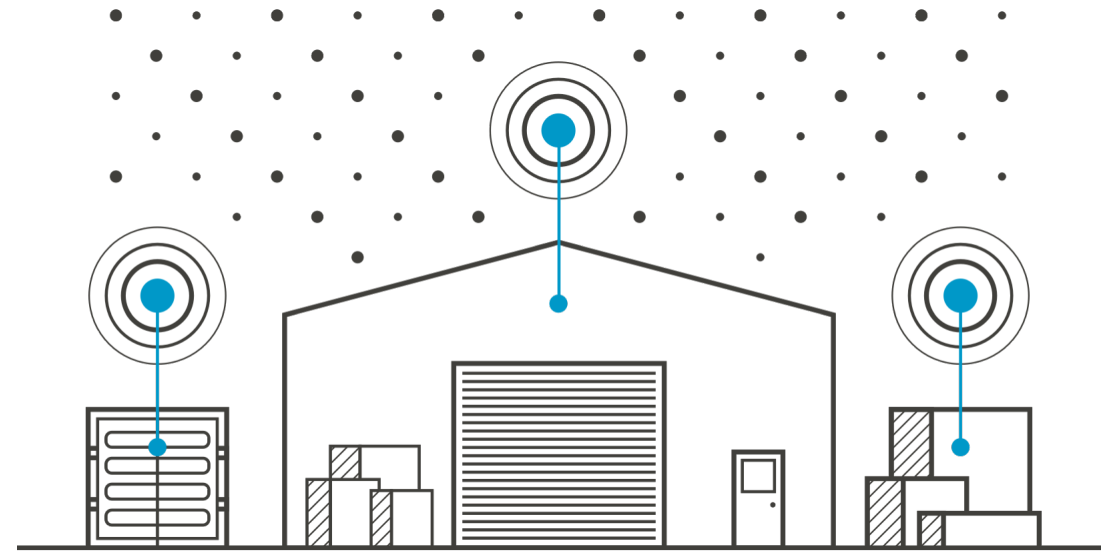
Delivering Confidence in Corrosion Prevention

POC

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You Can't Manage What You Can't Measure

Cocoon's Corrosion-Free Environment (CFE) Assurance is a comprehensive sustainment program that assures you, and your leadership, that your controlled humidity preservation efforts are being implemented properly and consistently.



CFE Assurance
Applications



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



Problem Statement



Information Gaps

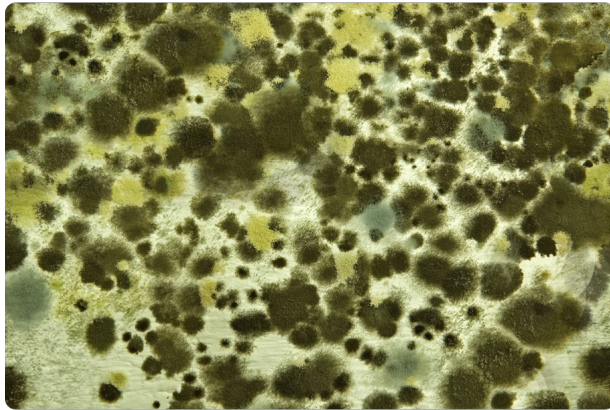
- + Corrosion costs the DoD \$20+ Billion annually.
- + Across the DoD, corrosion is responsible for 1,150,110 Non-Available Days (NADs).
- + A humidity-controlled environment is only successful if it stays in spec.

- + Too often humidity-controlled environments are out of spec, and the problem is either unseen or unknown.
- + There's either no data being collected, or the data isn't timely, relevant, or actionable.



“Without adequately managed prepositioned equipment, the Army and Marine Corps may not be able to fully support a request to provide immediate crisis response when the need arises.”

(DODIG-2018-152)



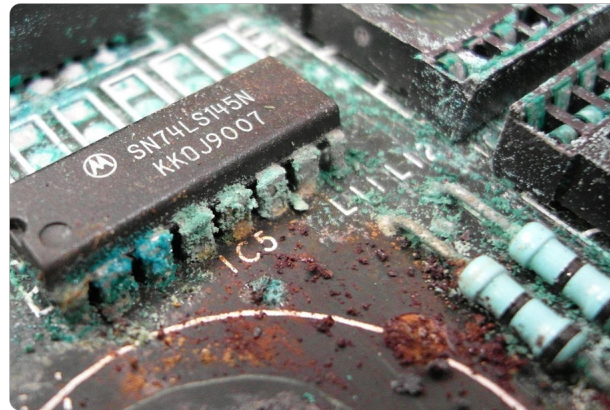
Mold



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.

Sources of **Failures**

- + Doors left open too long due to lack of awareness regarding how long is too long.
- + Equipment turned off by personnel (typically due to lack of awareness regarding its purpose).
- + Equipment failure (usually the result of a lack of maintenance).

- + Incorrect or insufficient equipment (e.g. a condensing unit dehumidifier in a cold climate).
- + Facility shortcomings.
- + The inability to determine when a facility is out of spec “by feel”.



Elements Essential to Success



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

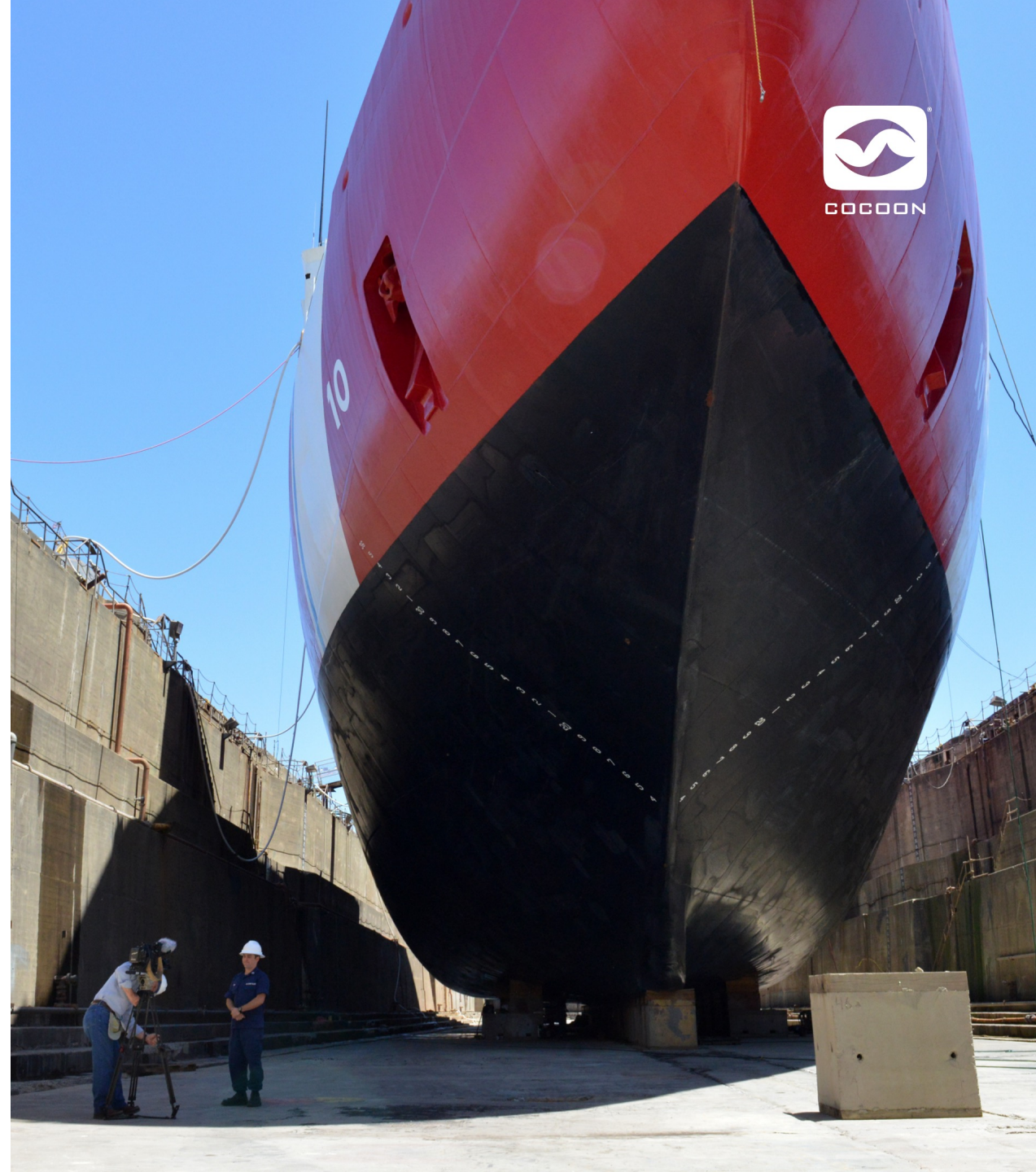


 CFE Assurance

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)

 CFE Assurance

Proven Reliability

We provide CFE Assurance to some of the military's most elite forces who have to maintain the highest levels of readiness.





The CFE Assurance Program



A Comprehensive **Solution**

CFE Assurance from Cocoon is a turnkey program that ensures you're in spec, and protecting your assets, at all times:

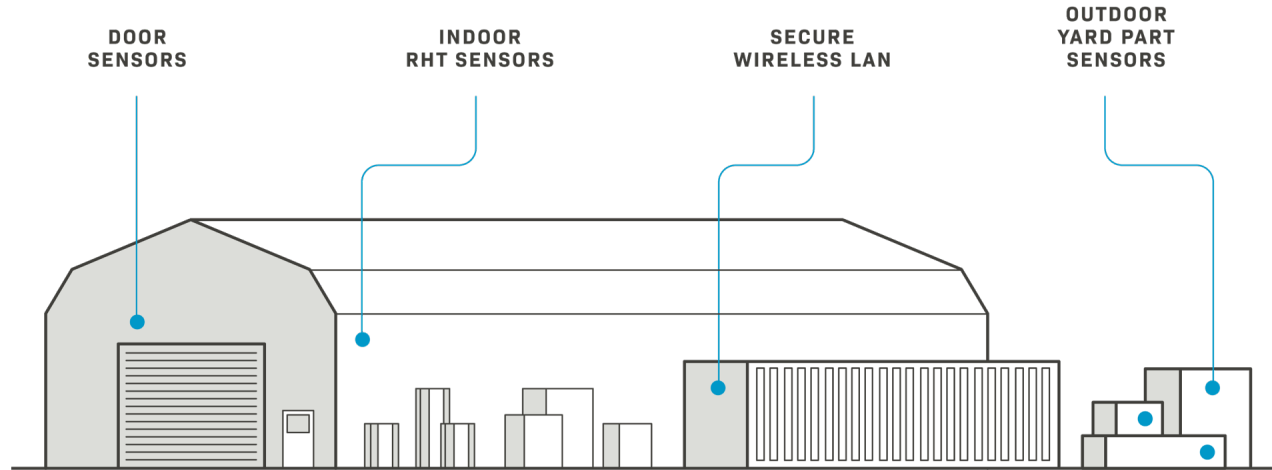
- + Conducts an audit of your facilities and identifies any deficiencies.
- + Prepares your facility (as necessary) to serve as a CFE.
- + Provides remote monitoring.
- + Provides real-time alerts when a problem is identified.

- + Can identify specifically which facility, container, or cover is a problem - and provide boots on the ground with GPS coordinates and identification numbers.
- + Provides encrypted weekly and monthly reports.
- + Provides on-site training, inspection, and preventative maintenance every 6 months.

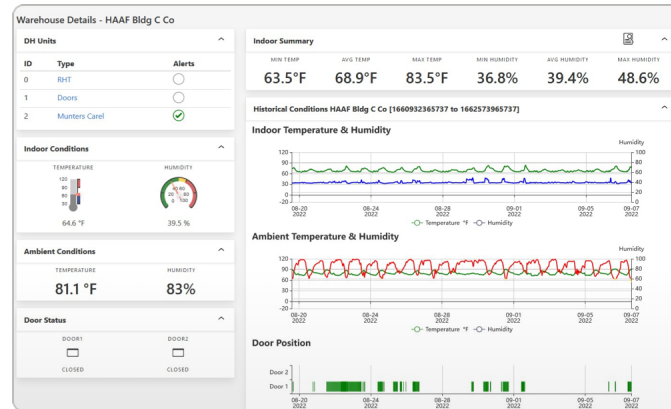
A Complete System



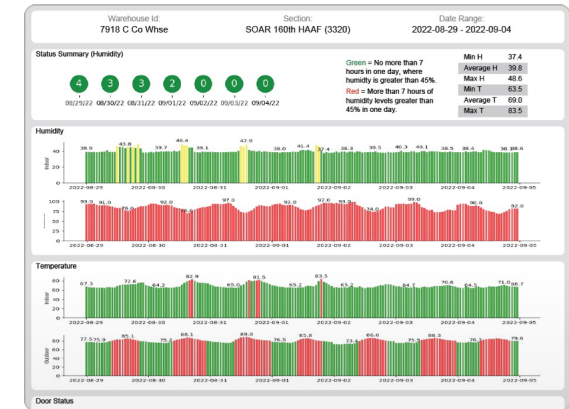
- + Cocoon provides you with reliable, timely, relevant, and actionable data.
- + With our CFE Assurance Program you can be confident that your humidity-controlled environments are in spec, and your assets protected from mold, mildew, and corrosion.



Sensors monitor doors and windows and RHT.



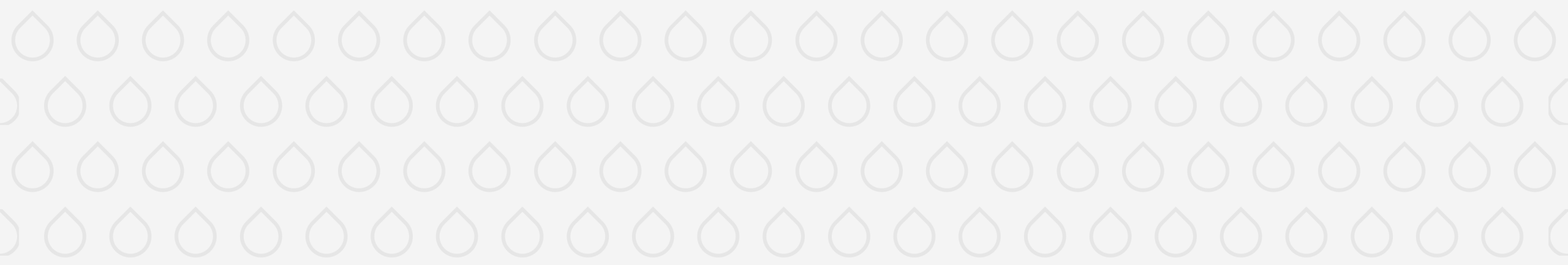
Get comprehensive reports of pertinent data.



Get at-a-glance 7-day rolling status reports.



The Payoff



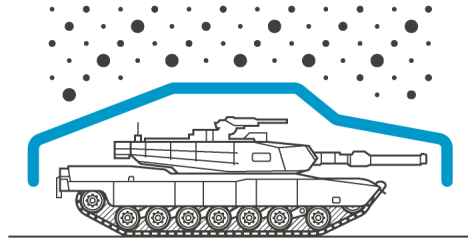
An ROI Measured in **More Than Money**

- + 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.

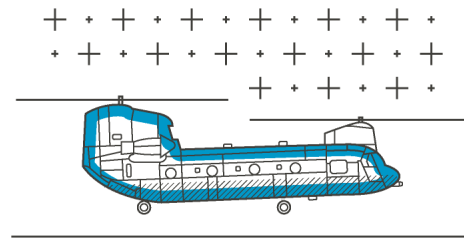


- + Benefit from an impressive and ROI (in one of our facilities the corrosion-free environment paid for itself in 5 weeks).
- + Improve soldier safety.
- + Provide leadership with ongoing proof of effective corrosion mitigation.

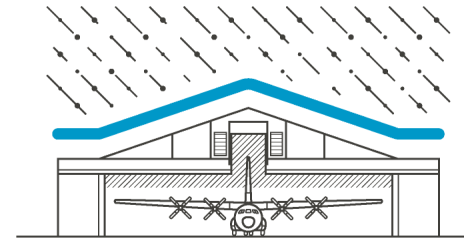
Increase readiness while reducing maintenance costs.



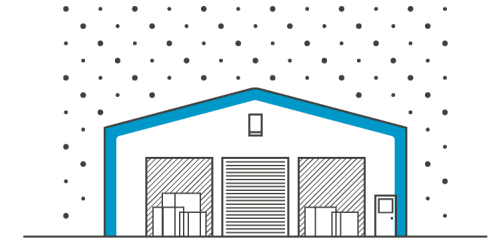
 PROTECTIVE COVERS



 AVIATION BLANKETS



 FABRIC STRUCTURES



 CORROSION-FREE ENVIRONMENTS